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SERVICING HANDBOOK VOLUME 2

Model 4920M

Alternating Voltage Measurement Standard

SERVICING HANDBOOK

for

4920M
ALTERNATING VOLTAGE MEASUREMENT STANDARD

Volume 2

Servicing Diagrams and Component Lists

850263

Issue 1.0 (June 1990)

Fluke Precision Measurement Ltd, Hurricane Way, Norwich, NR6 6JB, UK, +44 (0) 1603 256600

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SERVICING HANDBOOK VOLUME 2

Model 4920M

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DANGER
HIGH VOLTAGE

THIS INSTRUMENT IS CAPABLE OF DELIVERING

A LETHAL ELECTRIC SHOCK !

when connected to a high voltage source

Input plugs carry the Full Input Voltage

THIS CAN KILL !

Overvoltage can damage your instrument !

Unless **you** are **sure** that it is **safe** to do so,

DO NOT TOUCH

any **terminals** connected to the **inputs**

DANGER

SECTION 11 4920M Servicing Diagrams and Parts Lists

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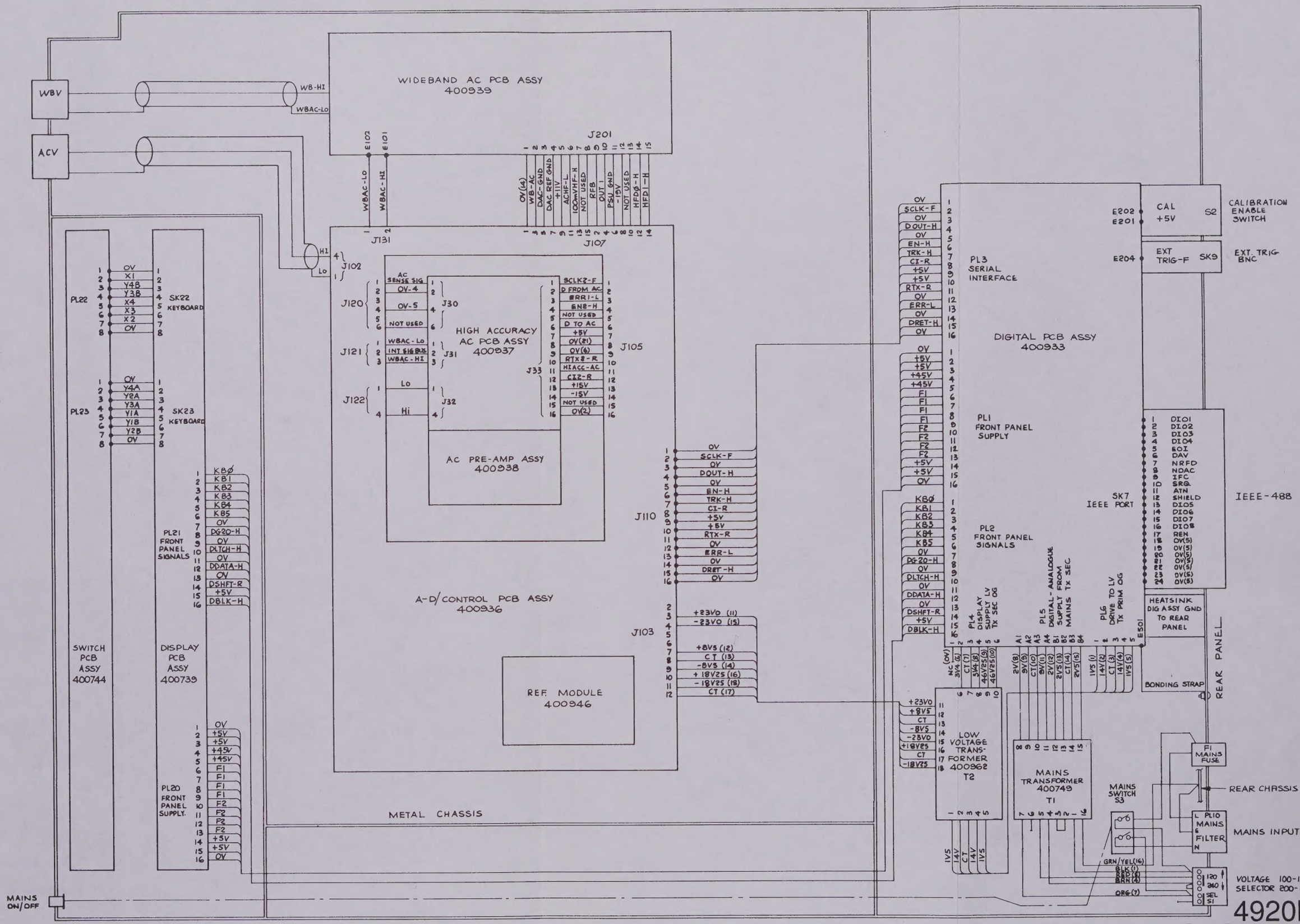

INTERCONNECTION DIAGRAM

Drawing No. DC400927 Sheet 1

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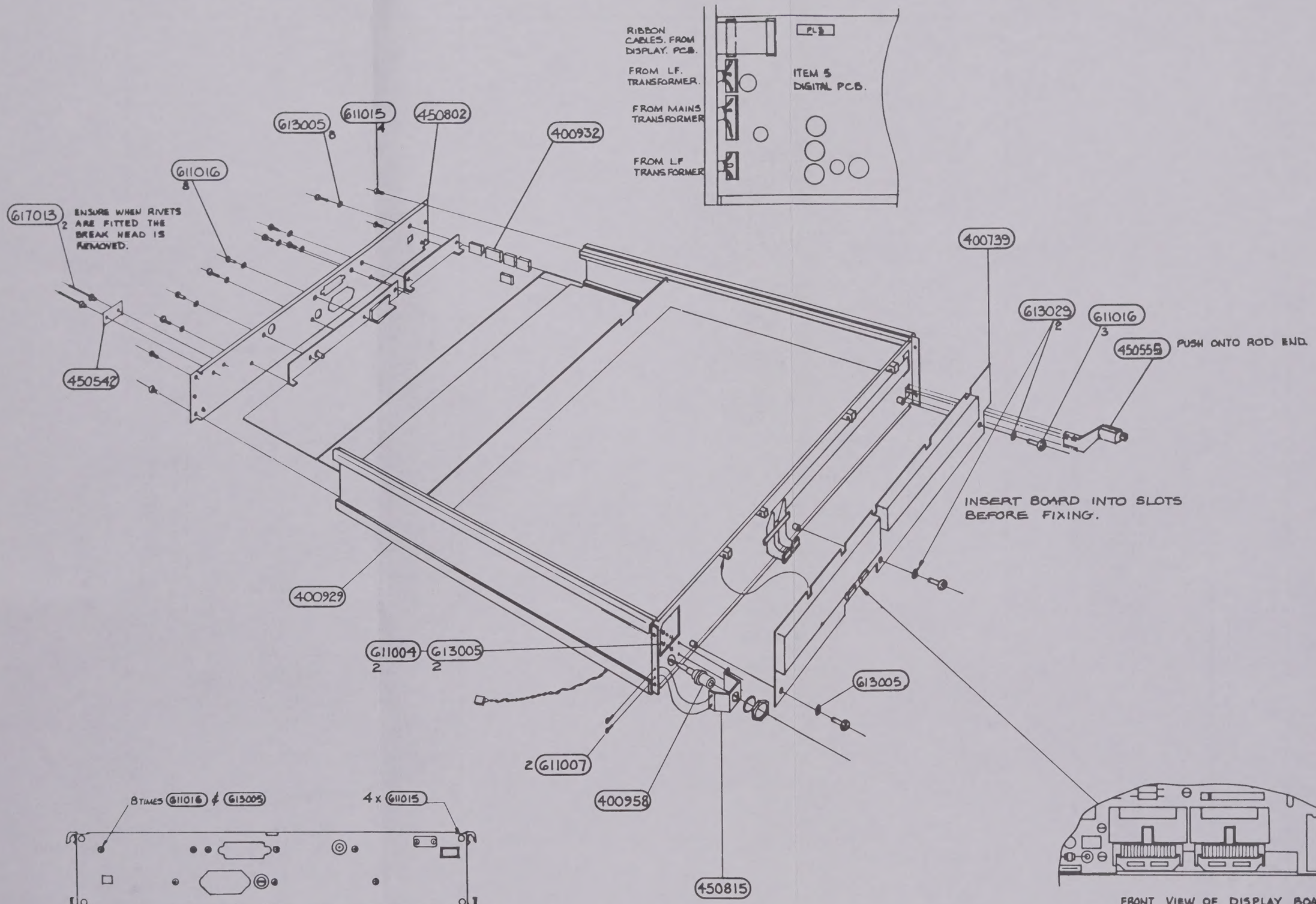

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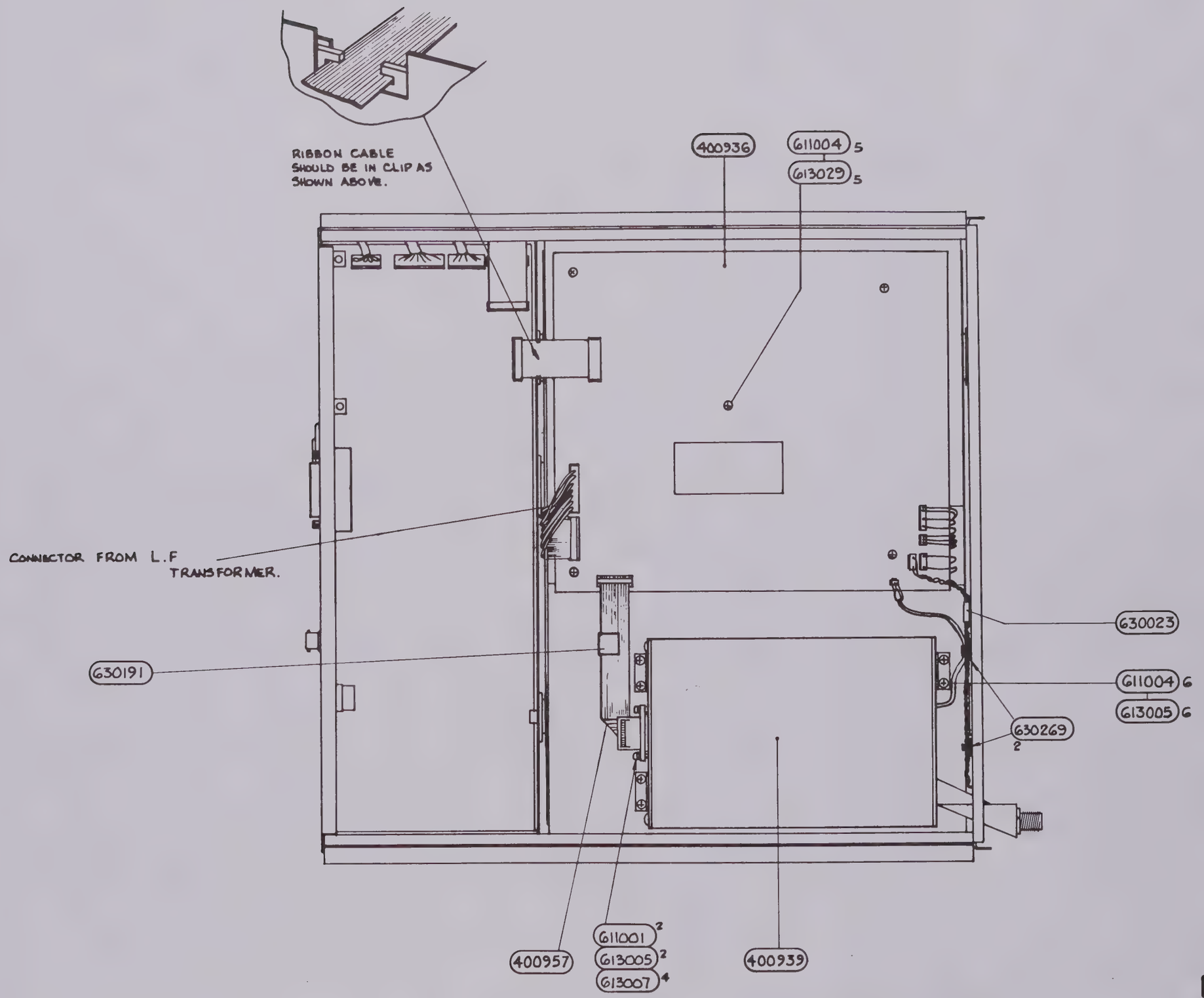
INSTRUMENT ASSEMBLY

Drawing No. DA400928 Sheet 1



INSTRUMENT ASSEMBLY

Drawing No. DA400928 Sheet 2

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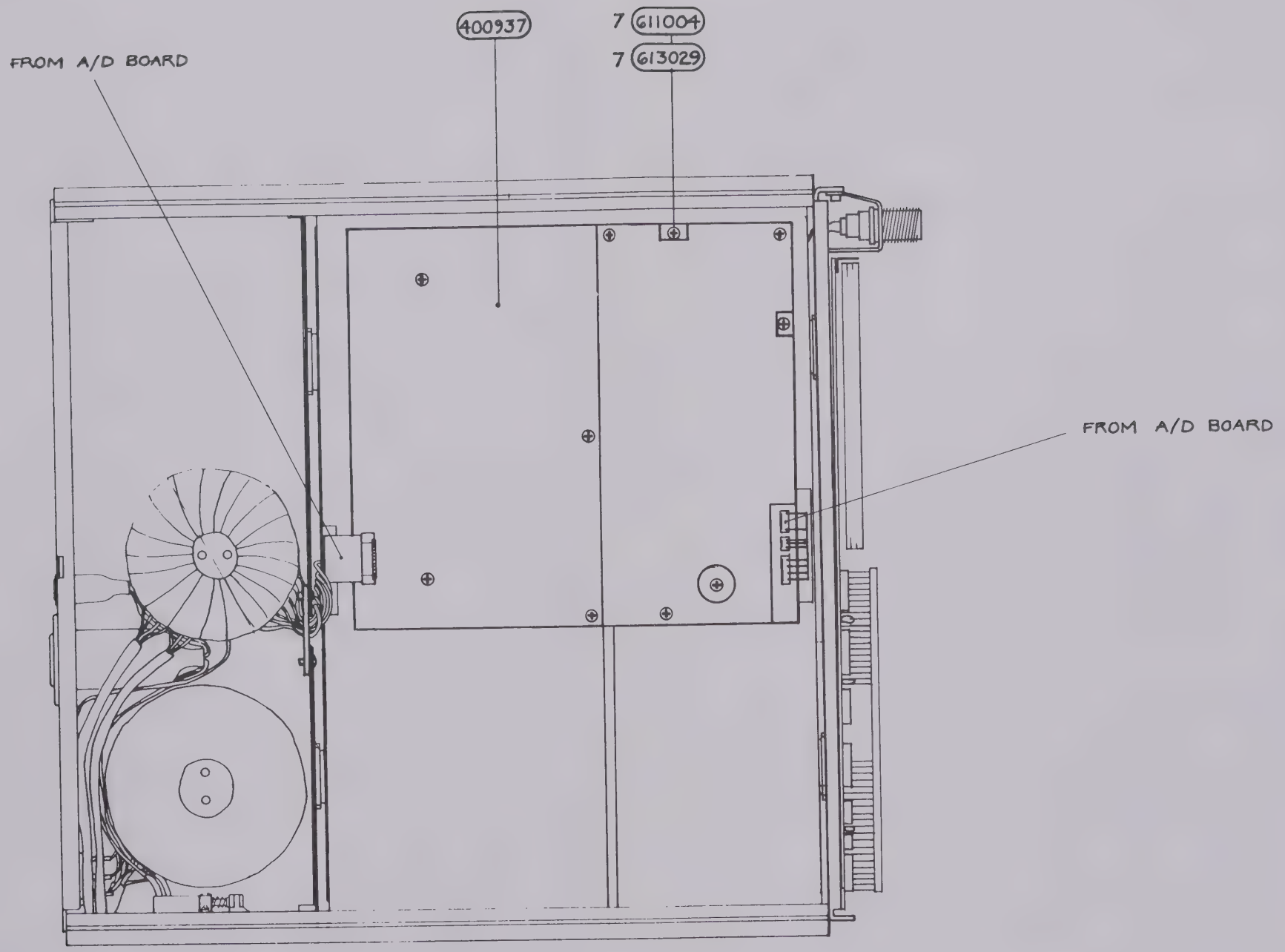

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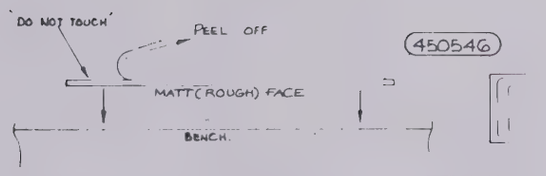
INSTRUMENT ASSEMBLY

Drawing No. DA400928 Sheet 3

GENERAL NOTES ON FITTING FILTERS & BADGES

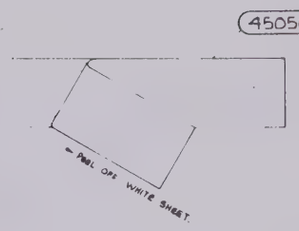
1. WIPE ALL SURFACES TO RECEIVE ADHESIVE WITH A CLEAN WIPE MOISTENED WITH (900016).
2. DO NOT TOUCH CLEANED SURFACE - RECLEAN IF ACCIDENTALLY TOUCHED.
3. DO NOT TOUCH ADHESIVE SURFACE.
4. HANDLING OF ADHESIVES (450562) & (450516).
   a) IF CLEAR SHEET SEPERATES FIRST, PRESS BACK AND RUB DOWN. WHITE SHEET WILL THEN SEPERATE.
   b) AFTER REMOVAL OF WHITE SHEET HANDLE ONLY BY ENDS OF CLEAR SHEET.
   c) PULL TIGHT AND ALIGN BEFORE LOWERING TO FILTER SURFACE.
   d) IF MIS-ALIGNED OR UNFLAT THEY MUST BE ENTIRELY REMOVED (RUB WITH FINGER), THE SURFACE CLEANED AND NEW ADHESIVE APPLIED.
5. HANDLE JIGS WITH GREAT CARE - THEY ARE FRAGILE. IF BENT THE JIGS WILL NOT ALIGN PARTS CORRECTLY.
6. AFTER ASSEMBLY BOTH FILTERS HAVE THE ANTI-GLARE MATT SURFACE TOWARDS THE FRONT OF THE BEZEL.

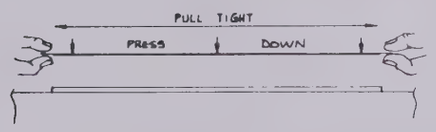


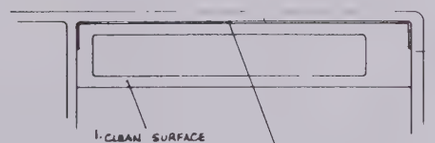
(450546)

(450562)

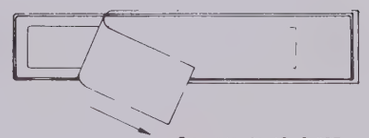
ALIGN (450562) TO (450546) THIS VIEW LOOKING THROUGH CLEAR SHEET.

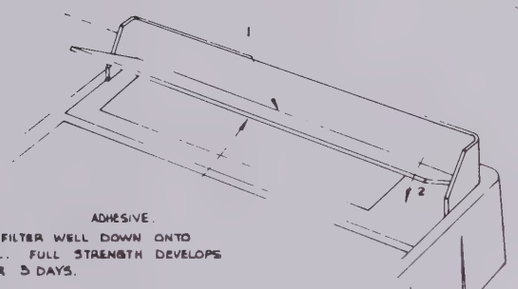


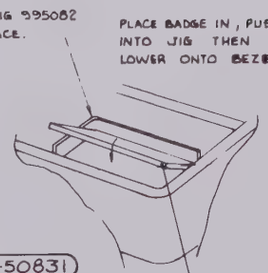




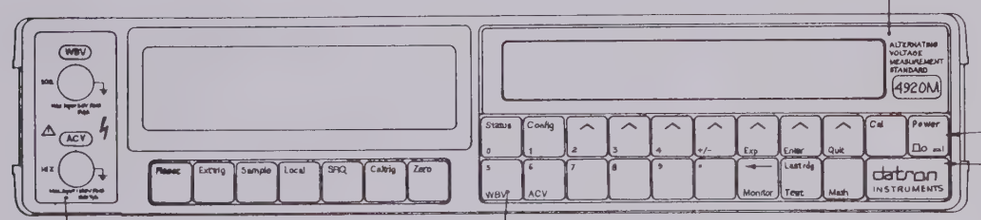
(450826)




1
2
ADHESIVE.
RUB FILTER WELL DOWN ONTO BEZEL. FULL STRENGTH DEVELOPS AFTER 3 DAYS.
INSERT TOP EDGE OF FILTER INTO JIG THEN PRESS DOWN ONTO BEZEL
REMOVE FILTER COVER SHEET AND BACKING SHEET FROM OVERLAY (450831) AND FIT IN SIMILAR MANNER
REMOVE JIG.



(450831)



CAN NOT FIT AT THIS STAGE.

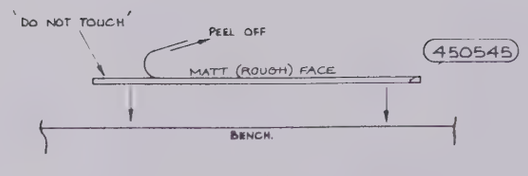
(450602)

(450832)

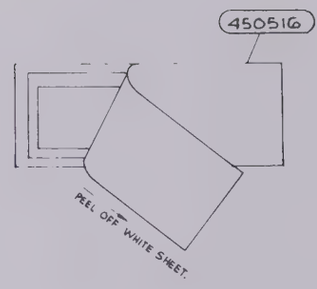
(450830)

FIT KEYCAPS TO SWITCHES IN POSITIONS SHOWN ABOVE.

RETAIN WITH BEZEL.

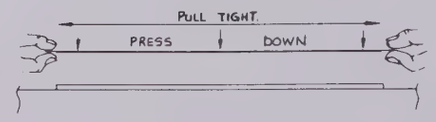


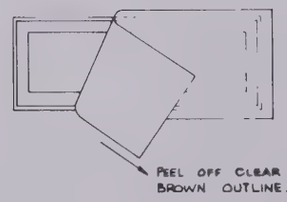
(450545)



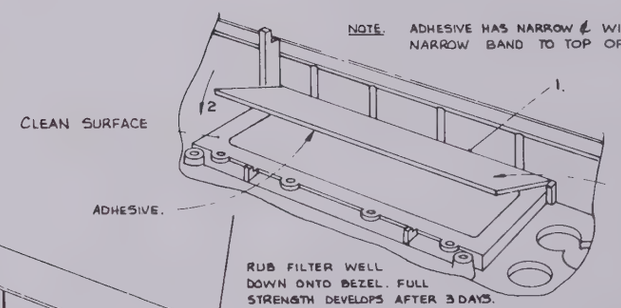
(450516)

ALIGN (450516) & (450545) THIS VIEW LOOKING THROUGH CLEAR SHEET.

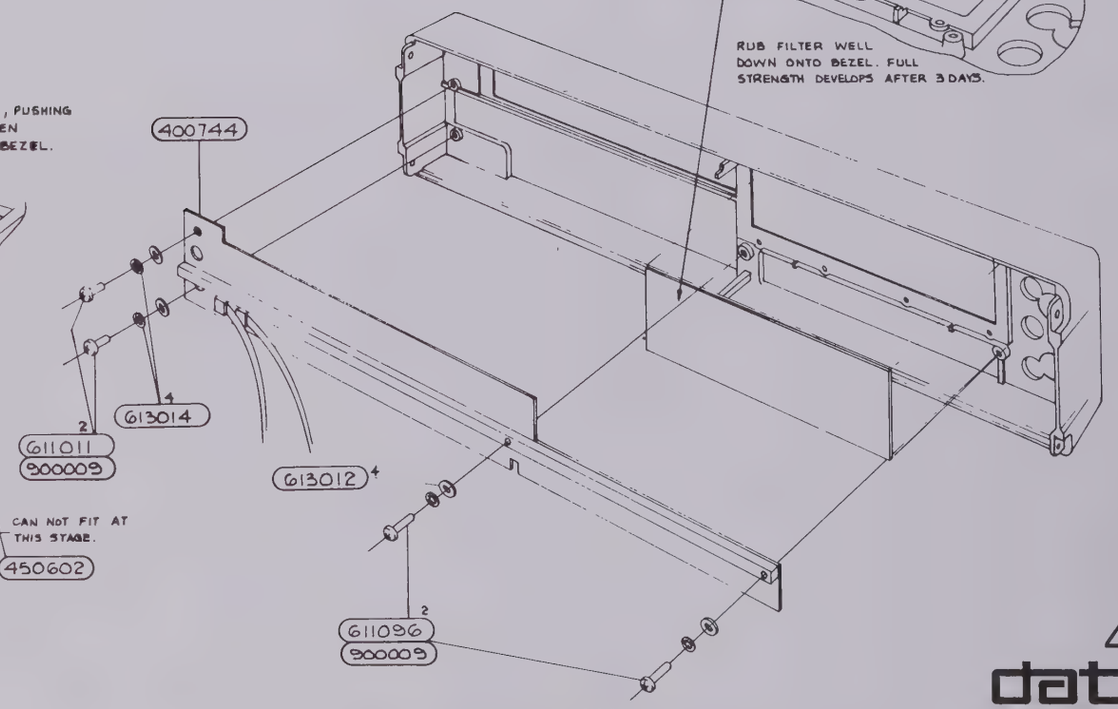




NOTE. ADHESIVE HAS NARROW & WIDE LONG BANDS. NARROW BAND TO TOP OF BEZEL.



(400744)



BEZEL ASSEMBLY

Drawing No. DA400931 Sheet 1

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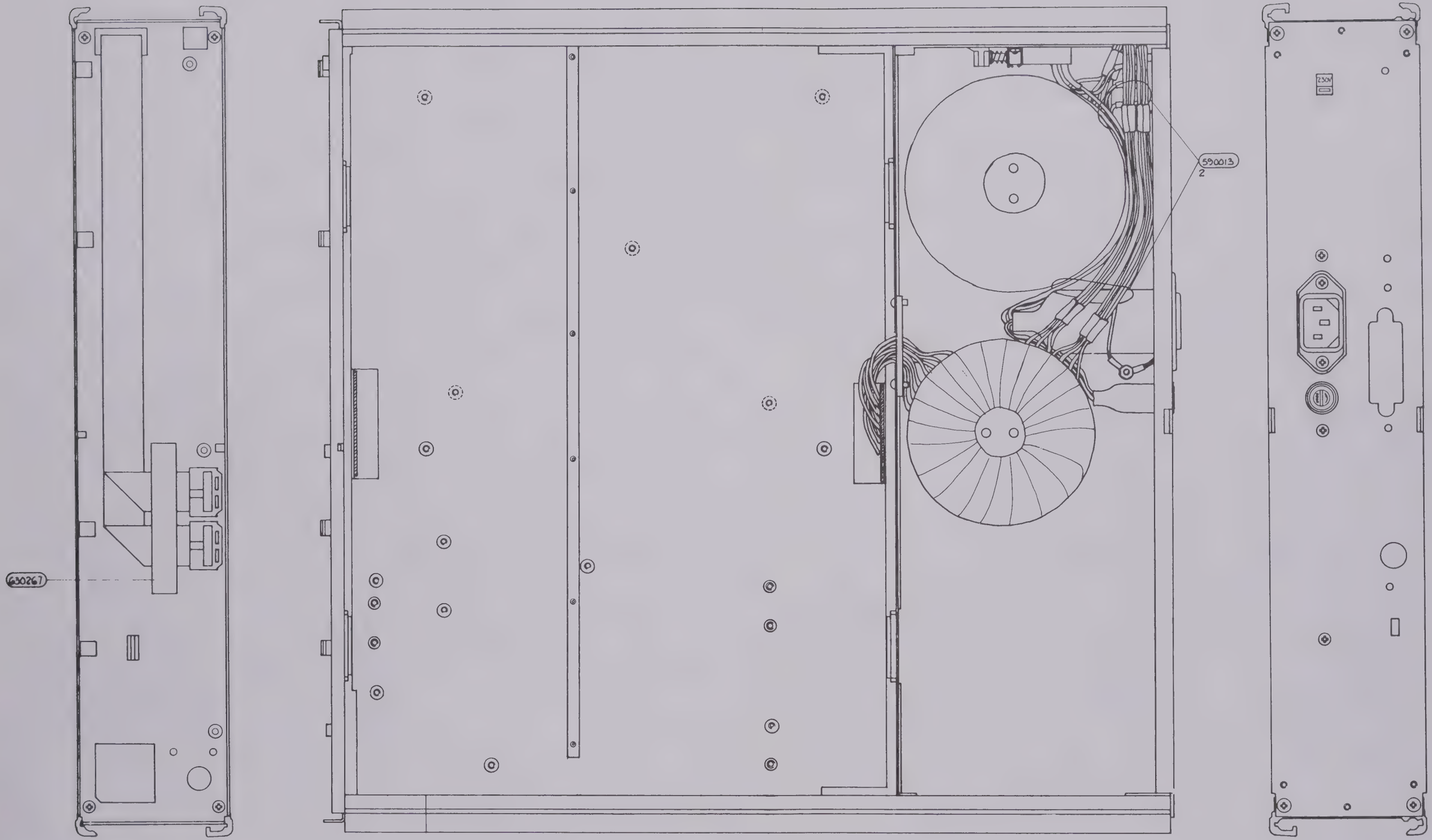

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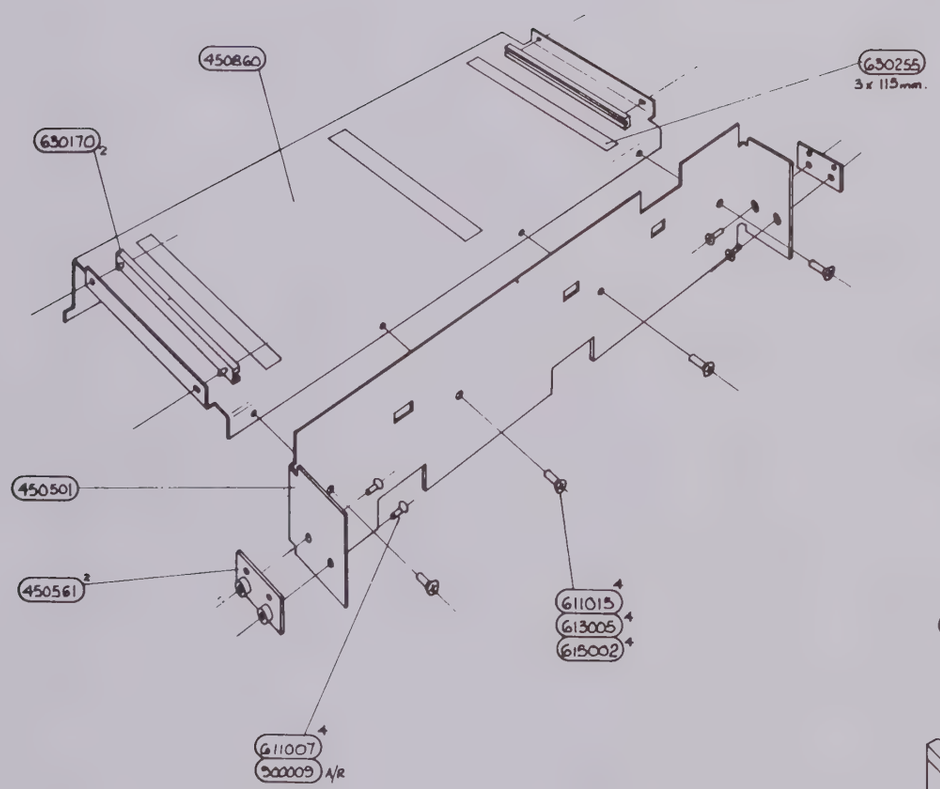
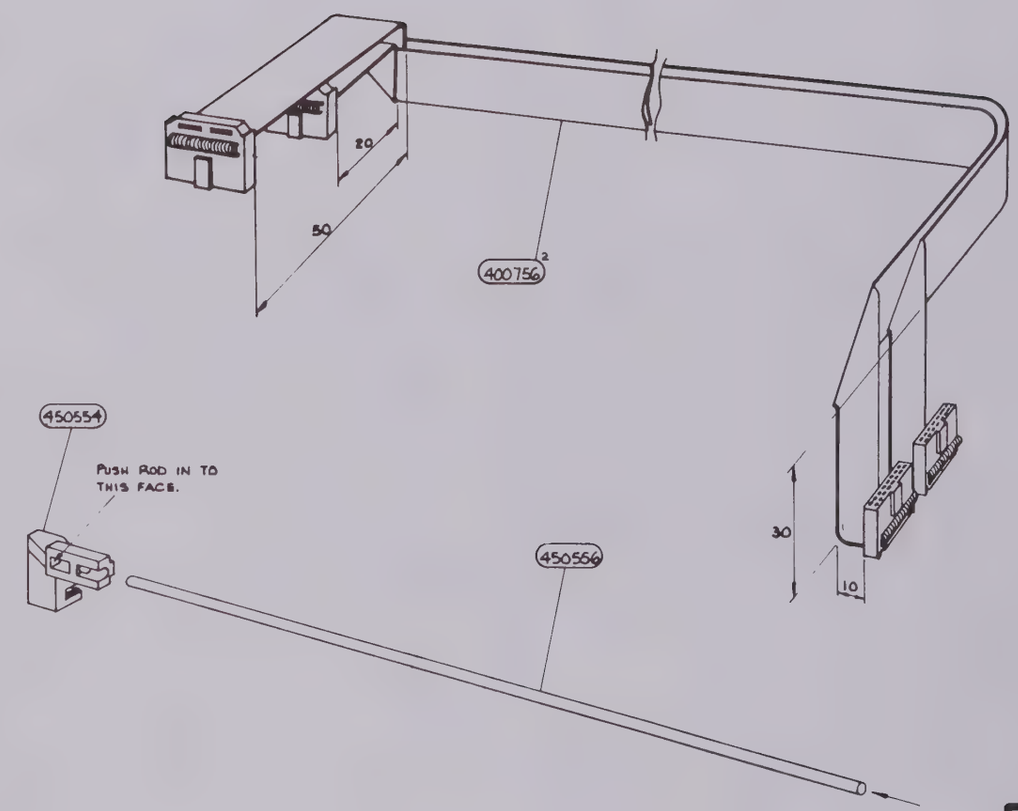
CHASSIS ASSEMBLY

Drawing No. DA400929 Sheet 1





CHASSIS ASSEMBLY

Drawing No. DA400929 Sheet 2

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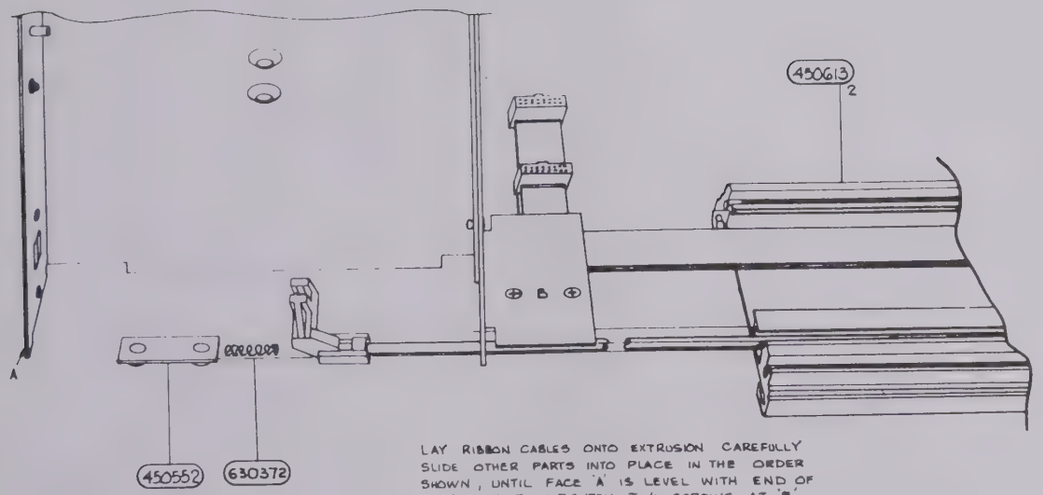
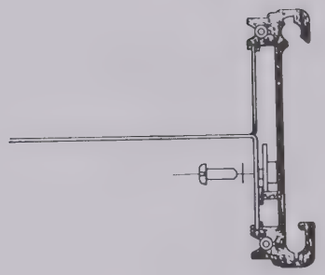
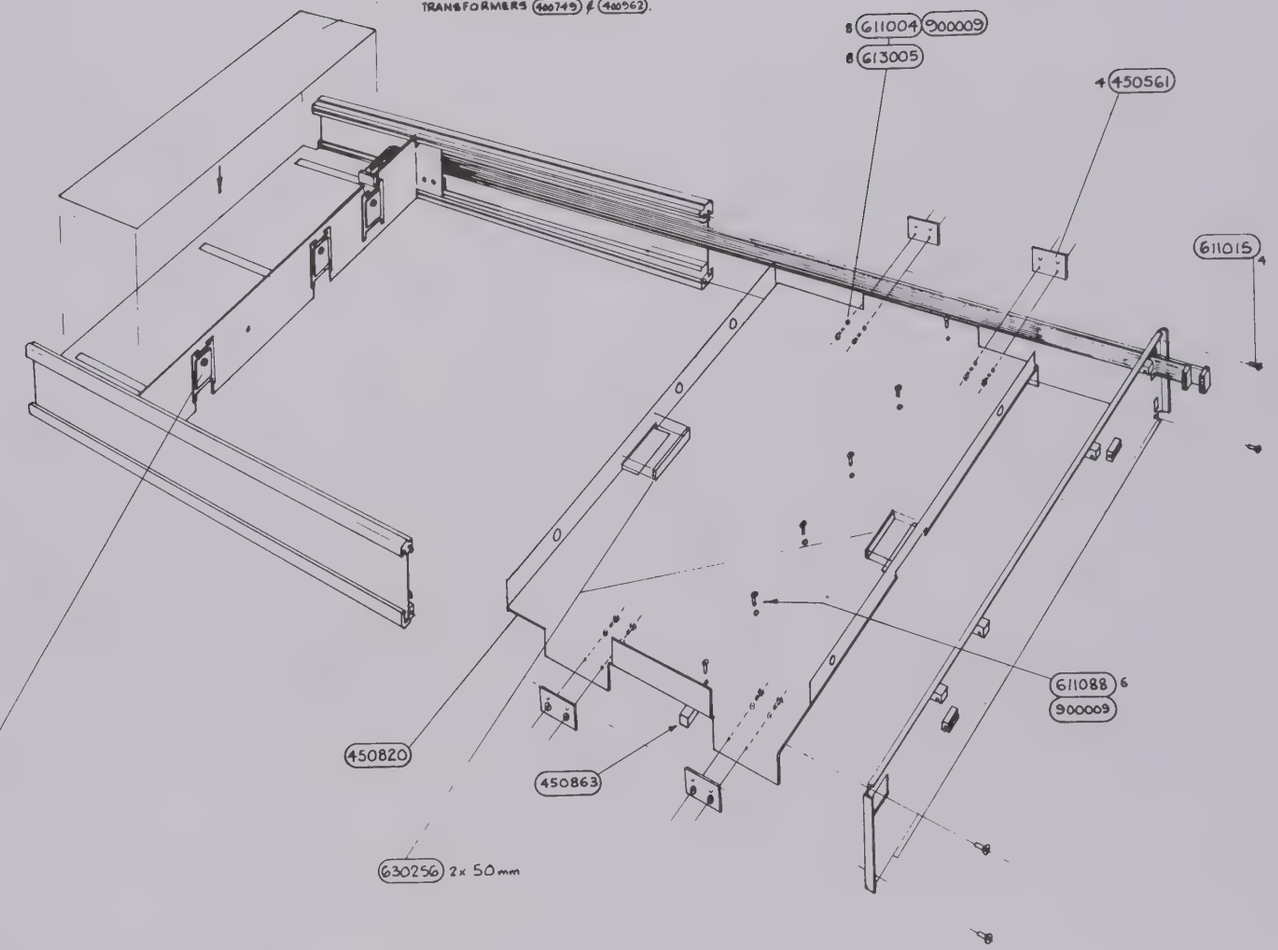


LAY RIBBON CABLES ONTO EXTRUSION CAREFULLY SLIDE OTHER PARTS INTO PLACE IN THE ORDER SHOWN, UNTIL FACE 'A' IS LEVEL WITH END OF EXTRUSION THEN TIGHTEN TWO SCREWS AT 'B'.



450601 FIT SHINY SIDE UP AFTER MOUNTING TRANSFORMERS 400749 & 400562.



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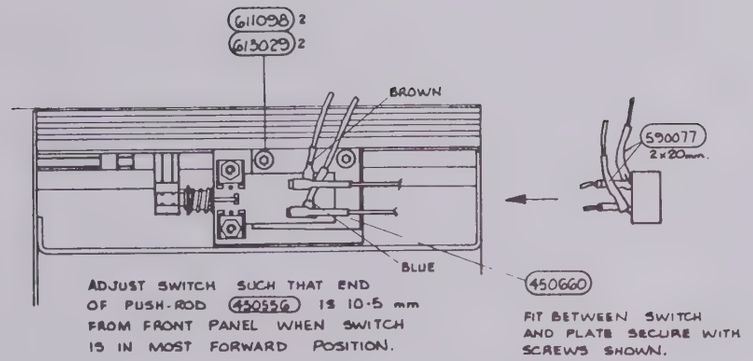
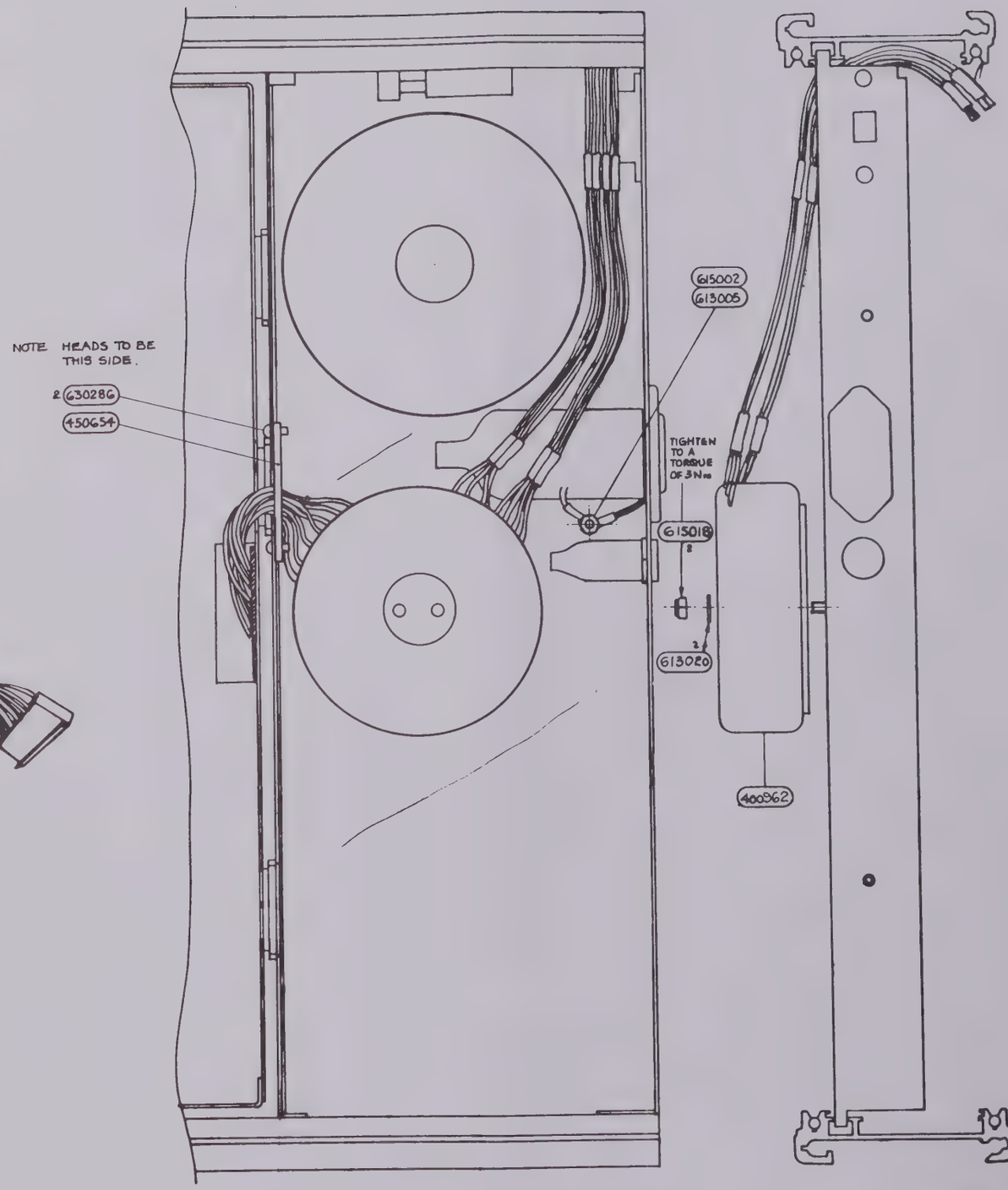
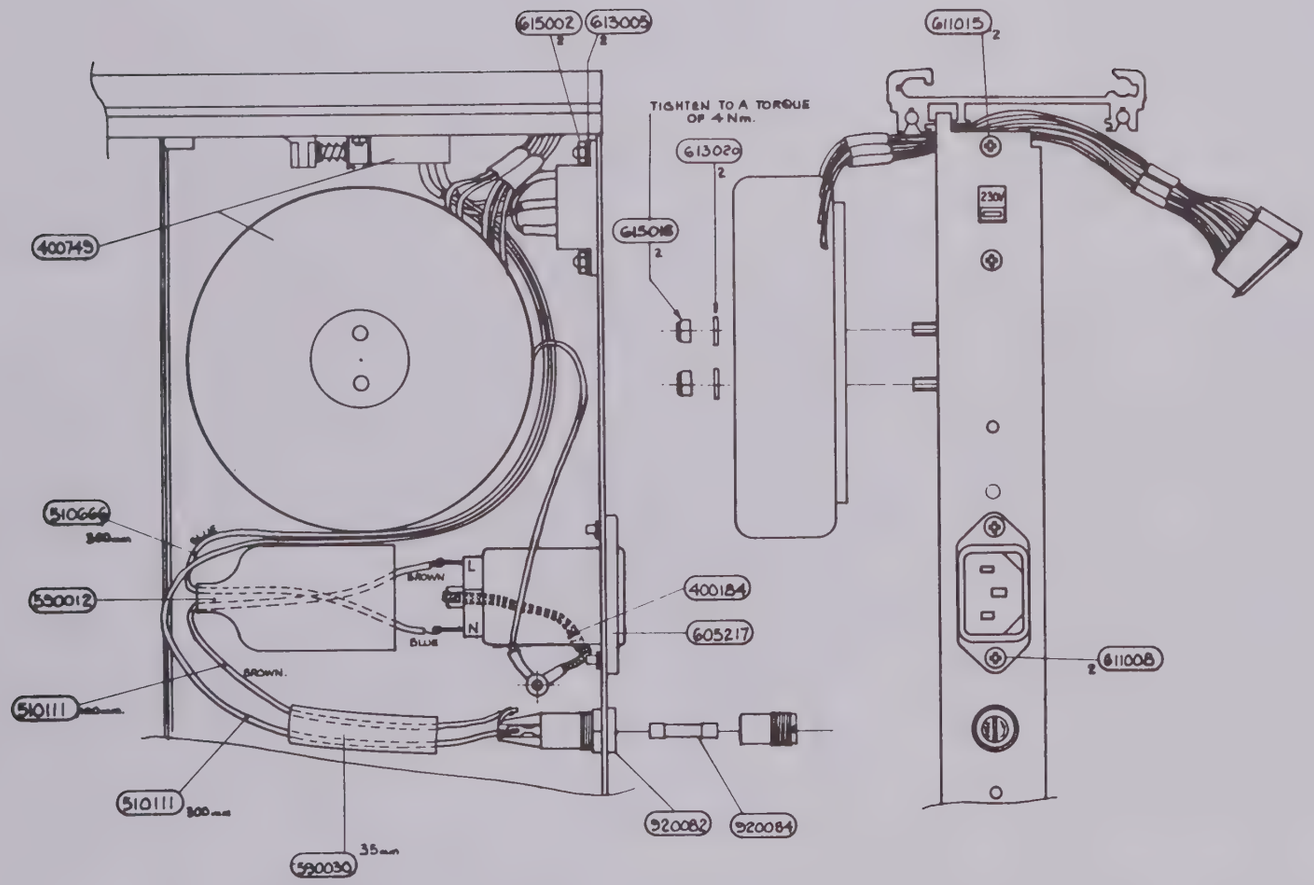
CHASSIS ASSEMBLY

Drawing No. DA400929 Sheet 3


611098 2
613029 2
BROWN
590077
2x20mm.
BLUE
450660
ADJUST SWITCH SUCH THAT END OF PUSH-ROD 430556 IS 10·5 mm FROM FRONT PANEL WHEN SWITCH IS IN MOST FORWARD POSITION.
FIT BETWEEN SWITCH AND PLATE SECURE WITH SCREWS SHOWN.





CHASSIS ASSEMBLY

Drawing No. DA400929 Sheet 4

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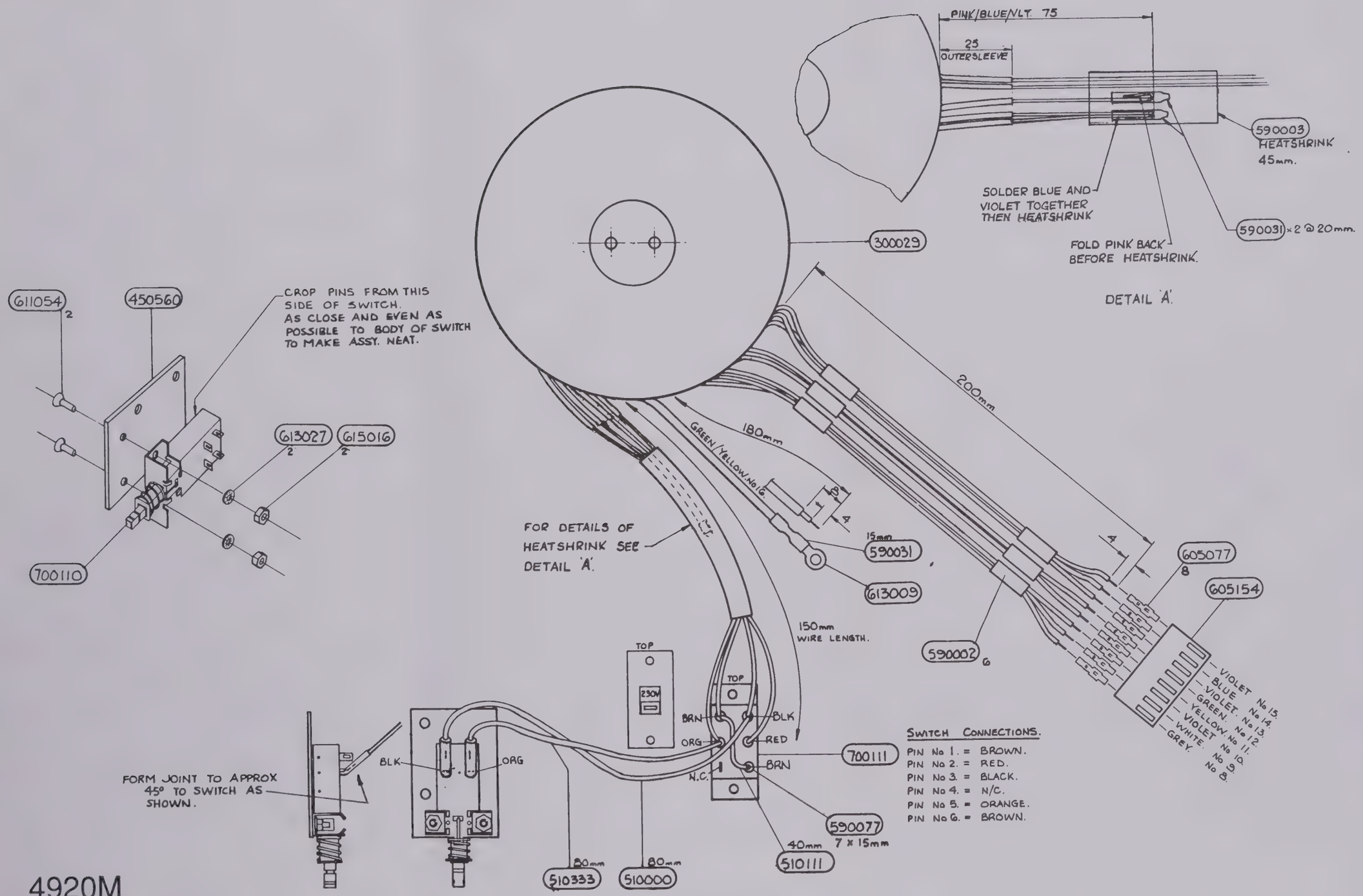

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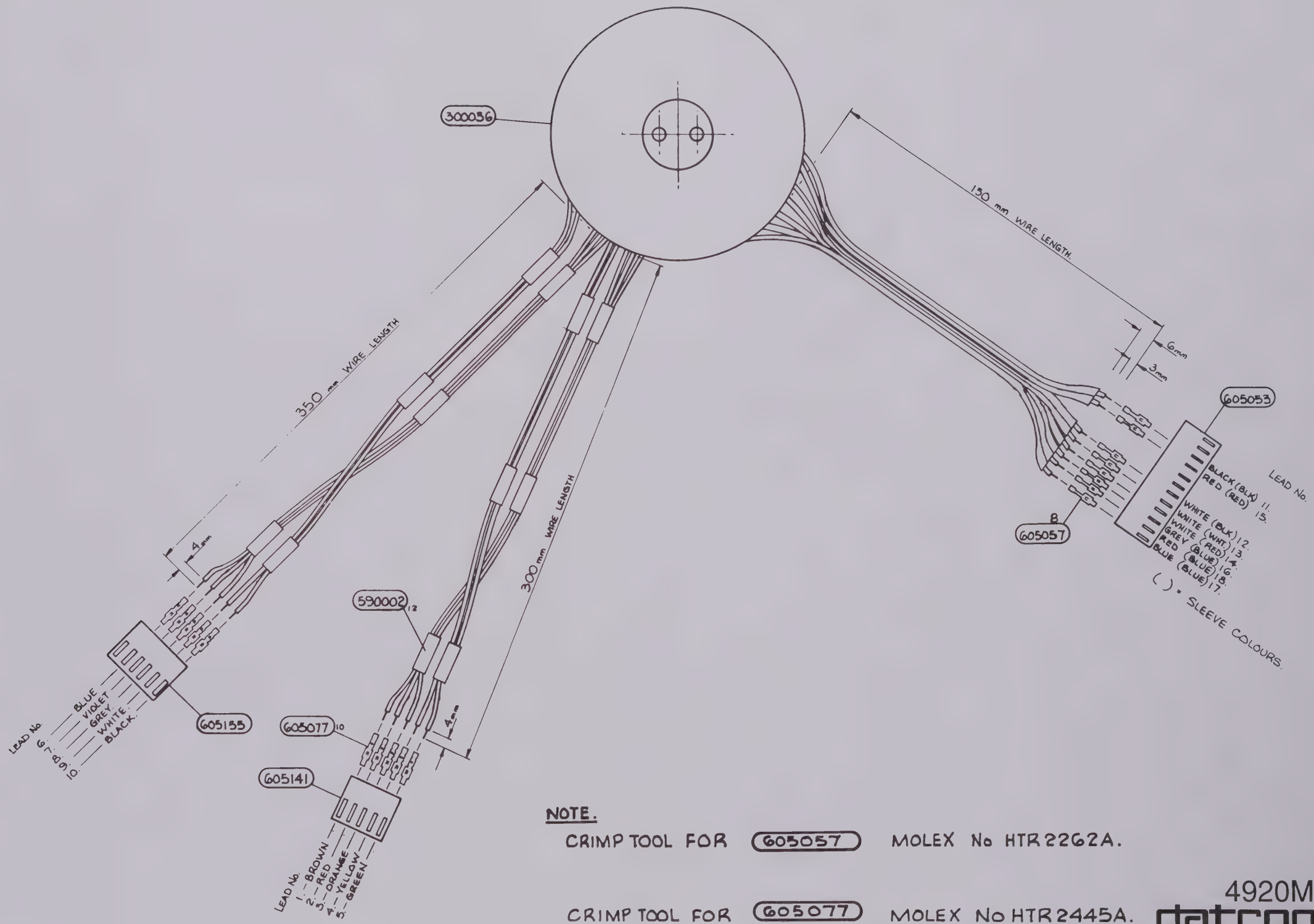
MAINS TRANSFORMER ASSEMBLY

Drawing No. DA400749 Sheet 1

CRIMP TOOL FOR 605077 MOLEX HTR 2445A



NOTE.

CRIMP TOOL FOR (605057) MOLEX No HTR2262A.

CRIMP TOOL FOR (605077) MOLEX No HTR2445A.

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LOW VOLTAGE TRANSFORMER ASSEMBLY

Drawing No. DA400962 Sheet 1

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USE TOOL 995090 TO FIT FASTENER
PUSH FASTENER DOWN UNTIL LIGHTLY HOLDING 450503 AGAINST 450490.
(SCREEN MUST STILL BE FREE TO MOVE).

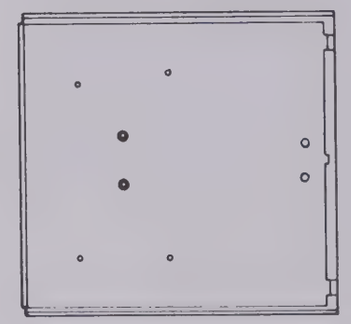
2 617022

4 617021

2 617018

450503

450490



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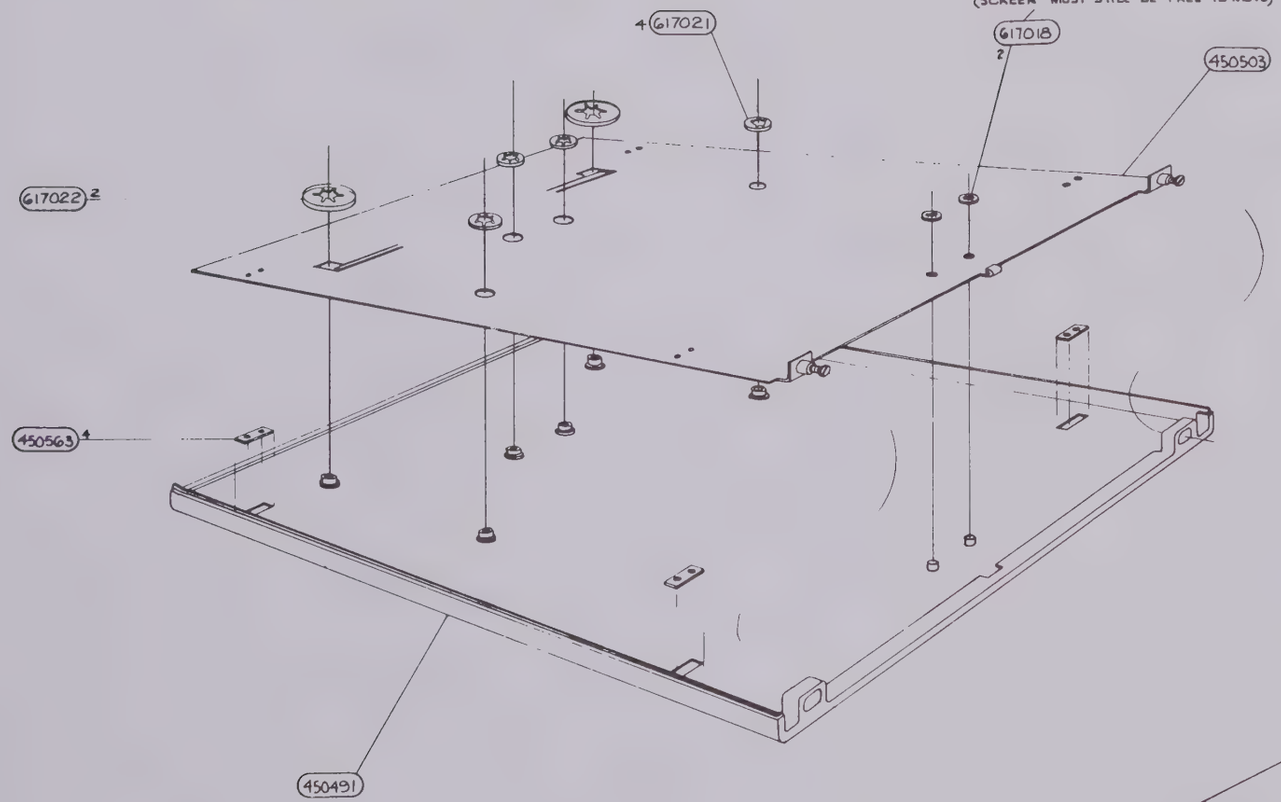
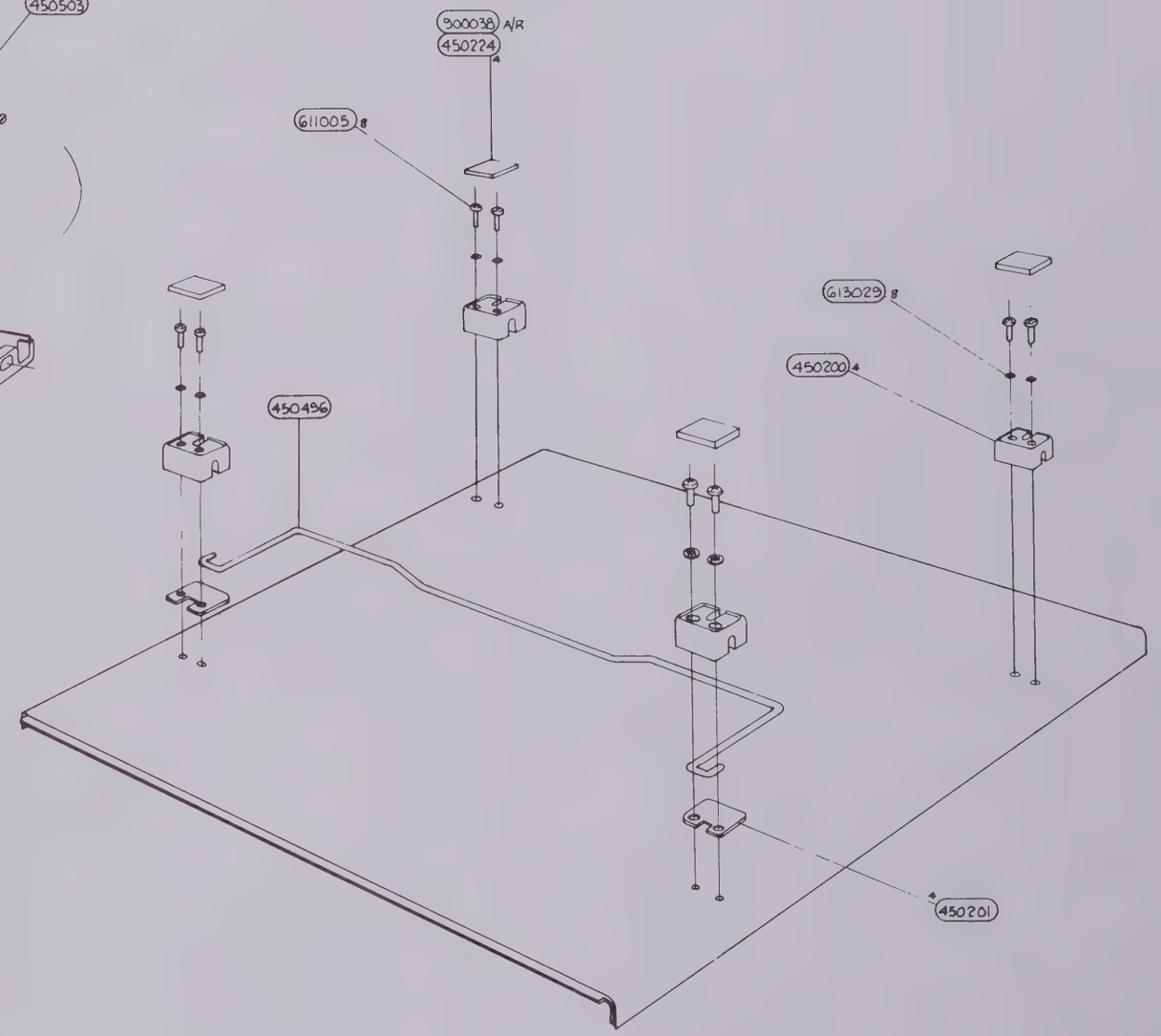
TOP COVER ASSEMBLY

Drawing No. DA400954 Sheet 1

USE TOOL 935050 TO FIT FASTENER. PUSH FASTENER DOWN UNTIL LIGHTLY HOLDING 450503 AGAINST 450491. (SCREEN MUST STILL BE FREE TO MOVE)





VIEW FROM FRONT OF COVER. NOTE DIRECTION OF BEND OF 450496 TILT STAND.

BOTTOM COVER ASSEMBLY

Drawing No. DA400955 Sheet 1

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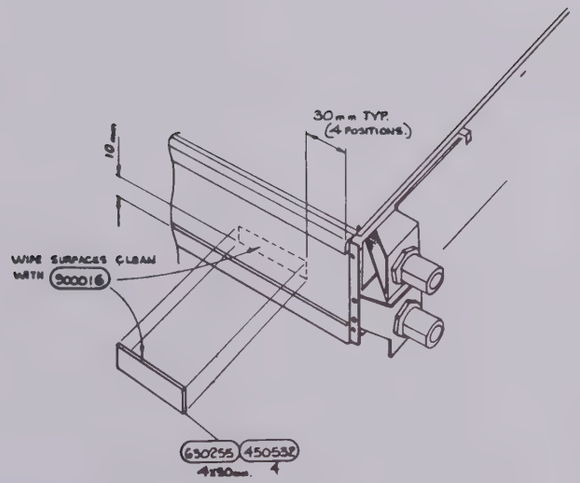
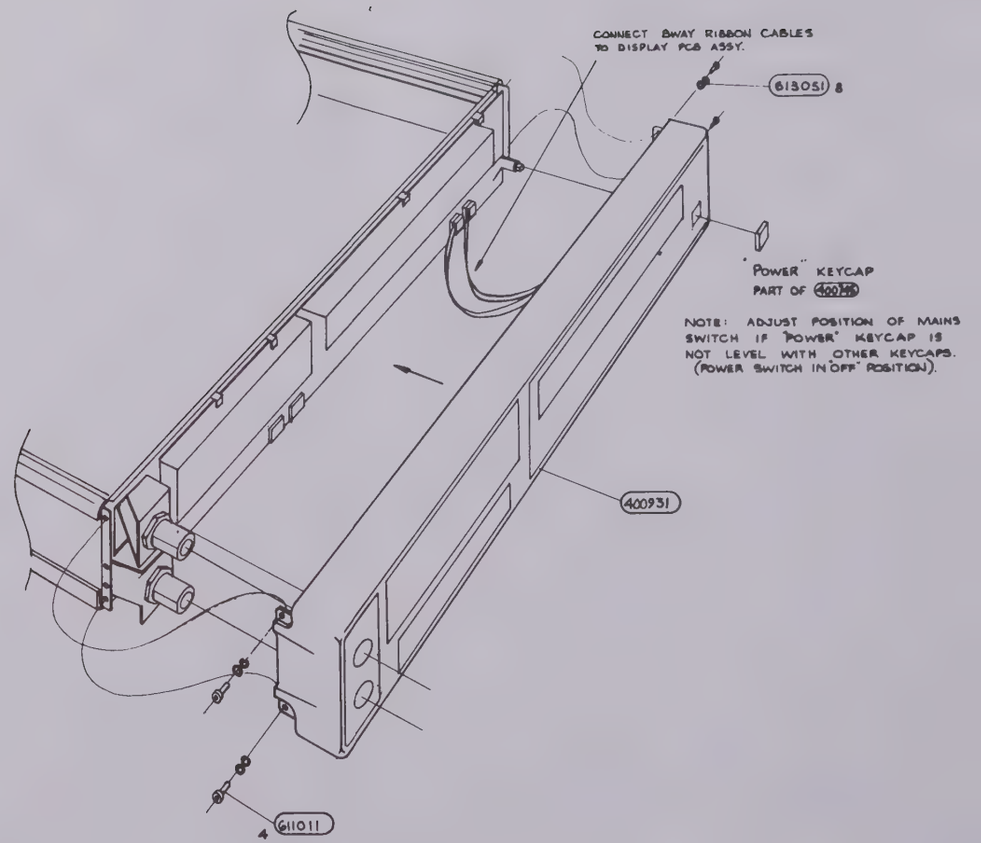
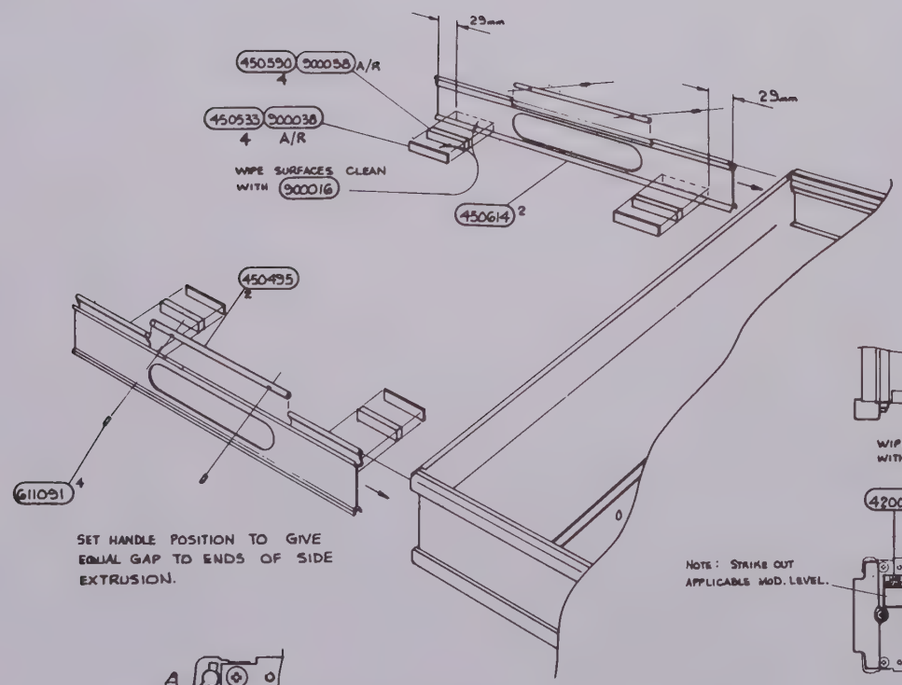


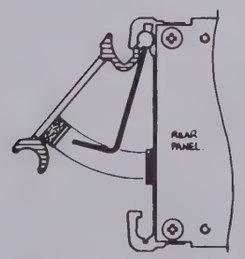
NOTE ✱

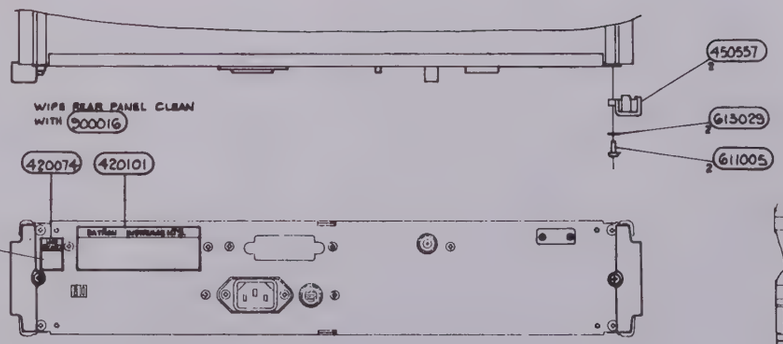
606035 8

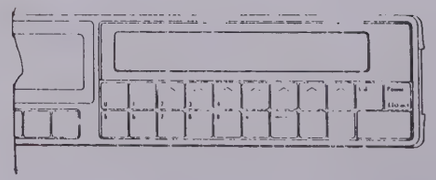
CONNECTOR RETAINING CLIP
TO BE FITTED ON ALL 16WAY
IDC CONNECTORS.











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FINISHED ASSEMBLY

Drawing No. DA400927 Sheet 1

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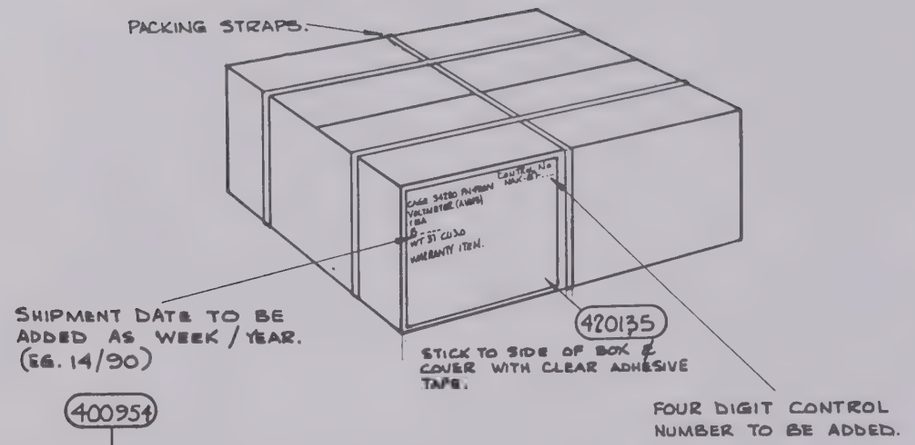
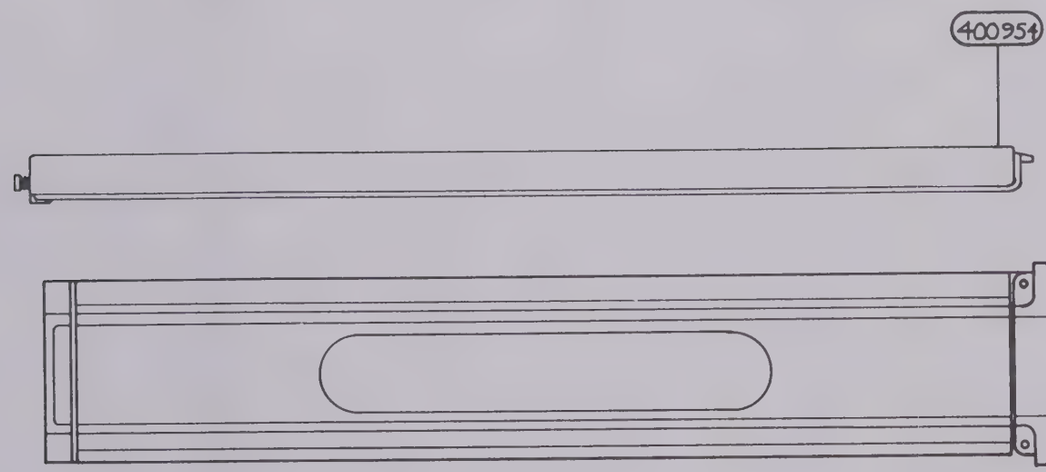
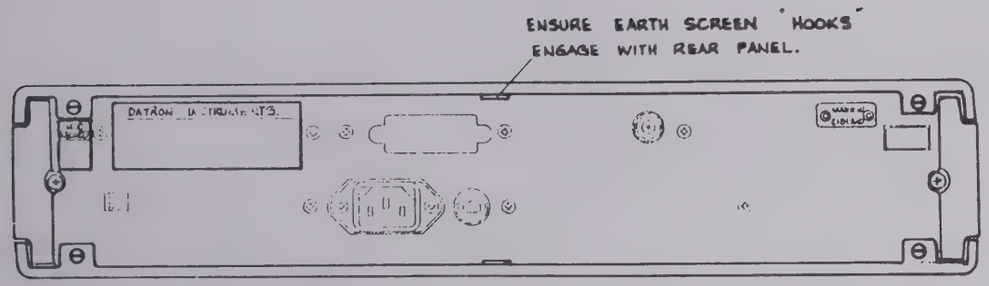

PACKING STRAPS.
SHIPMENT DATE TO BE ADDED AS WEEK / YEAR. (EG. 14/90)
420135
STICK TO SIDE OF BOX & COVER WITH CLEAR ADHESIVE TAPE.
FOUR DIGIT CONTROL NUMBER TO BE ADDED.





4920M

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FINISHED ASSEMBLY

Drawing No. DA400927 Sheet 2

DATRON INSTRUMENTS LTD PARTS LIST 12-Jun-90 DESC: ASSY FINISHED INST 4920M DRG NO: LP400927-1 REV: 1 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400928-1	ASSY INSTRUMENT 4920M	DATRON	SEE DRG		EA	1	
	400931-1	ASSY BEZEL 4920M	DATRON	SEE DRG		EA	1	
	400954-1	ASSY COVER TOP 4920M	DATRON	SEE DRG		EA	1	
	400955-1	ASSY COVER BOTTOM 4920M	DATRON	SEE DRG		EA	1	
	420074-1	LABEL MOD RECORD 1281		SEE DRG		EA	1	
	420101-1	LABEL MODEL		SEE DRG		EA	1	
	420135-1	LABEL PACKING BOX 4920M		SEE DRG		EA	1	
	450495-1	HANDLE LOCKING ROD 1281		SEE DRG		EA	2	
	450532-1	CATCH PLATE 1281		SEE DRG		EA	4	
	450533-1	HANDLE MAGNET 1281		SEE DRG		EA	4	
	450535-1	PACKING BOX 1281		SEE DRG		EA	1	
	450557-2	CORNER BLOCK REAR 1281		SEE DRG		EA	2	
	450590-1	CATCH PLATE SPACER 1281		SEE DRG		EA	4	
	450614-2	HANDLE EXTRUSION 1281		SEE DRG		EA	2	
	606035	SOCKET CLIP 16-WAY .1"X.1"	3M	3505-8116		EA	6	
	611005	SCREW M3 X 12 POZIPAN SZP				EA	2	
	611011	SCREW M2.5 X 6 POZIPAN SZP				EA	4	
	611091	SCREW M3 X 8 SKT GRUB SZP				EA	4	
	613029	WASHER M3 WAVY SS				EA	2	
	613051	WASHER M2.5 SQ.SPRING SZP				EA	8	
	630223	BAG ANTI STATIC PINK	OK INDUSTRIES	600G (250 X 360)		EA	3	
	630224	BAG ANTI STATIC PINK	OK INDUSTRIES	400G (445X571X610)		EA	1	
	630255	TAPE SELF ADH. DBLE. SIDED	3M	Y9469 X 1/2" WIDE		AR	1	
	630284	HEX KEY 1.5 A/F	CHALLENGE			EA	1	
	630290	GRIPPER BAG 5 X7.5	ABBOTTS PACKING	CODE 128		EA	1	
	630366	CABLE IEEE 2M	CABLES CONNECTORS	IEEE/2		EA	1	
	850261-1	HANDBOOK USERS 4920M		SEE DRG		EA	2	
	850262-1	HANDBOOK SERV 4920M VOL 1		SEE DRG		EA	2	
	850263-1	HANDBOOK SERV 4920M VOL 2		SEE DRG		EA	2	
	850911-1	CARD OPERATION/IEEE 4920M		SEE DRG		EA	2	
	900016	CLEANING FLUID	RS COMPONENTS	556-654		AR	1	
	900038	ADHESIVE CYANOACRYLATE	PERMOBOND	C4		AR	1	
	920084	FUSE 500mA 250V 20mm SLOW BLOW	BELLING LEE	L2080A/.500		EA	1	
	920116	FUSE 1A 250V 20MM SLO-BL	BELLING LEE	L2080A/1		EA	1	
	920233	MAINS LEAD/CONN MIL-C-28777 II				EA	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11 Jun-90 DESC: ASSY INSTRUMENT 4920M DRG NO: LP400928-1 REV: 1 PAGE NO. 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400739-1	ASSY PCB DISPLAY 1281	DATRON	SEE DRG		EA	1	
	400929-1	ASSY CHASSIS 4920M	DATRON	SEE DRG		EA	1	
	400932-1	ASSY DIGITAL 4920M	DATRON	SEE DRG		EA	1	
	400936-1	ASSY PCB A-D / CONTROL 4920M	DATRON	SEE DRG		EA	1	
	400937-1	ASSY PCB AC (HIGH ACC) 4920M	DATRON	SEE DRG		EA	1	
	400939-1	ASSY PCB AC (WIDE BAND) 4920M	DATRON	SEE DRG		EA	1	
	400957-1	ASSY CABLE 'D' TYPE 4920M	DATRON	SEE DRG		EA	1	
	400958-1	ASSY CABLE 'N' TYPE 4920M	DATRON	SEE DRG		EA	1	
	450542-1	MADE IN ENGLAND BADGE		SEE DRG		EA	1	
	450555-2	FRONT COUPLING 1281		SEE DRG		EA	1	
	450802-1	PANEL REAR 4920M		SEE DRG		EA	1	
	450815-1	BRACKET CONNECTOR 4920M		SEE DRG		EA	1	
	611001	SCREW 4-40 X 3/8 POZIPAN SZP				EA	2	
	611004	SCREW M3 X 6 POZIPAN SZP				EA	20	
	611007	SCREW M3 X 6 POZICSK SZP				EA	2	
	611015	SCREW M3 X 8 POZICSK SZP				EA	4	
	611016	SCREW M3 X 8 POZIPAN SZP				EA	11	
	613005	WASHER M3 INT SHAKEPROOF				EA	19	
	613007	WASHER M3 PLAIN SZP				EA	4	
	613029	WASHER M3 WAVY SS				EA	14	
	617013	RIVET POP 2.4 DOMED HD	GEORGE TUCKER EYELET	TAP/D/33/BH		EA	2	
	630023	CLIP CABLE 3 DIA	3M	706		EA	1	
	630191	CLIP RIBBON CABLE	RICHCO	DFCC-2		EA	1	
	630269	CLIP CABLE SELF-ADHESIVE	RICHCO	MWSB		EA	2	

End

11-1-9

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400184-2	ASSY EARTH BRAID	DATRON	SEE DRG		EA	1	
	400749-3	ASSY TRANSF MAINS 1281	DATRON	SEE DRG		EA	1	
	400756-1	ASSY RIBBON CABLE 1281	DATRON	SEE DRG		EA	2	
	400962-1	ASSY TRANSF LOW VOLT 4920M	DATRON	SEE DRG		EA	1	
	450501-2	CENTRE PANEL 1281		SEE DRG		EA	1	
	450512-2	ISOLATION BLOCK 1281		SEE DRG		EA	5	
	450552-1	NUT PLATE 1281		SEE DRG		EA	1	
	450554-2	MAINS SWITCH ROD MOULDING 1281		SEE DRG		EA	1	
	450556-2	MAINS SW OPERATING ROD 1281		SEE DRG		EA	1	
	450559-1	DISPLAY BOARD MTG BLOCK 1281		SEE DRG		EA	4	
	450561-1	NUT PLATE 1281		SEE DRG		EA	6	
	450601-1	INSULATOR DIGITAL PCB 1281		SEE DRG		EA	1	
	450613-2	SIDE EXTRUSION 1281		SEE DRG		EA	2	
	450654-1	CABLE STRAP 1281		SEE DRG		EA	1	
	450660-1	INSULATOR MAINS SWITCH 1281		SEE DRG		EA	1	
	450818-1	PANEL FRONT 4920M		SEE DRG		EA	1	
	450820-2	PANEL CENTRE 4920M		SEE DRG		EA	1	
	450860-1	REAR CHASSIS 4920M	DATRON	SEE DRG		EA	1	
	450863-1	BAR CENTRE PANEL SUPPT 4920M		SEE DRG		EA	1	
	510111	WIRE 7/.2 PVC 1KV BRN				AR	1	
	510666	WIRE 7/.2 PVC 1KV BLU				AR	1	
	590012	INSULATING BOOT	BELLING LEE	L1867		EA	1	
	590013	STD CABLE TIE 32mm	RS COMPONENTS	543-412		EA	2	
	590030	SLEEVE HS 18.0MM BLK	HELLERMANN	SFM18-6BK		AR	1	
	590077	SLEEVE HS 0.125 DIA CLEAR	RAYFAST	KYNAR 1/8 CLEAR		AR	1	
	605217	SOCKET MAINS FILTER 1A	BELLING LEE	L2136C/L		EA	1	
	611004	SCREW M3 X 6 POZIPAN SZP				EA	8	
	611007	SCREW M3 X 6 POZICSK SZP				EA	8	
	611008	SCREW M3 X 10 POZICSK SZP				EA	2	
	611015	SCREW M3 X 8 POZICSK SZP				EA	10	
	611088	SCREW M2.5 X 6 POZICSK SZP				EA	6	
	611098	SCREW M3 X 6 SKT CP HD SZP				EA	2	
	613005	WASHER M3 INT SHAKEPROOF				EA	15	
	613020	WASHER M4 SZP				EA	4	
	613029	WASHER M3 WAVY SS				EA	2	
	615002	NUT FULL M3 SZP				EA	7	
	615018	NUT NYLOCK M4 SZP				EA	4	
	630170	PCB GUIDE	RICHCO	RCG-2		EA	2	
	630255	TAPE SELF ADH. DBLE. SIDED	3M	Y9469 X 1/2" WIDE		AR	1	
	630256	FOAM TAPE 9WIDE X2MM SELF ADH	TESA	TESAMOLL 730		AR	1	
	630267	FLAT CABLE CLAMP	RICHCO	FCC-16-3		EA	1	
	630286	SNAP RIVET (SR)	RICHCO	SR 3065		EA	2	
	630372	SPRING COMP 5.5DIA X 20.5LG	TERRY	D21270		EA	1	
	900009	LOCKING COMPOUND	LOCTITE	222		AR	1	
	920082	FUSE HOLDER 20MM PANEL	BELLING LEE	L2002		EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	920084	FUSE 500mA 250V 20mm SLOW BLOW	BELLING LEE	L2080A/.500		EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400744-1	ASSY PCB SWITCH 1281	DATRON	SEE DRG		EA	1	
	450516-1	WINDOW ADHESIVE L.H. 1281		SEE DRG		EA	1	
	450545-2	FILTER L.H. 1281		SEE DRG		EA	1	
	450546-2	FILTER R.H. 1281		SEE DRG		EA	1	
	450562-1	WINDOW ADHESIVE R.H. 1281		SEE DRG		EA	1	
	450602-2	BADGE DATRON LOGO 1281	DIAMETRICS	SEE DRG		EA	1	
	450826-1	BEZEL 4920M		SEE DRG		EA	1	
	450830-1	KEYCAP SET 4920M		SEE DRG		EA	1	
	450831-1	OVERLAY DISPLAY 4920M		SEE DRG		EA	1	
	450832-1	OVERLAY TERMINAL 4920M		SEE DRG		EA	1	
	611011	SCREW M2.5 X 6 POZIPAN SZP				EA	2	
	611096	SCREW M2.5 X 12 POZIPAN SZP				EA	2	
	613012	WASHER M2.5 SZP				EA	4	
	613014	WASHER M2.5 INT. SHAKP.				EA	4	
	900009	LOCKING COMPOUND	LOCTITE	222		AR	1	
	900016	CLEANING FLUID	RS COMPONENTS	556-654		AR	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY COVER TOP 4920M DRG NO: LP400954-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	450490-2	COVER TOP 1281		SEE DRG		EA	1	
	450503-2	SCREEN EARTH 1281		SEE DRG		EA	1	
	617018	PUSH ON FASTENER	BAKER & FINNEMORE	ZP 6498		EA	2	
	617021	PUSH ON FASTENER 18,4 OD.	BAKER & FINNEMORE	D6496		EA	4	
	617022	PUSH ON FASTENER 25,4 OD	BAKER & FINNEMORE	D7074		EA	2	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY COVER BOTTOM 4920M DRG NO: LP400955-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	450200-1	MOULDED FOOT 1061		SEE DRG		EA	4	
	450201-2	TILT STAND PLATE 1061		SEE DRG		EA	2	
	450224-2	FOOT PAD 1061		SEE DRG		EA	4	
	450491-2	COVER BOTTOM 1281		SEE DRG		EA	1	
	450496-1	STAND TILT 1281		SEE DRG		EA	1	
	450503-2	SCREEN EARTH 1281		SEE DRG		EA	1	
	450563-1	PLATE FOOT FIXING 1281		SEE DRG		EA	4	
	611005	SCREW M3 X 12 POZIPAN SZP				EA	8	
	613029	WASHER M3 WAVY SS				EA	8	
	617018	PUSH ON FASTENER	BAKER & FINNEMORE	ZP 6498		EA	2	
	617021	PUSH ON FASTENER 18,4 OD.	BAKER & FINNEMORE	D6496		EA	4	
	617022	PUSH ON FASTENER 25,4 OD	BAKER & FINNEMORE	D7074		EA	2	
	900038	ADHESIVE CYANOACRYLATE	PERMOBOND	C4		AR	1	

End

11-1-10

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY TRANSF MAINS 1281 DRG NO: LP400749-3 REV: 2 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	300029-3	TRANSF MAINS 1281		SEE DRG		EA	1	
	450560-1	MAINS SWITCH MTG PLATE 1281		SEE DRG		EA	1	
	510000	WIRE 7/.2 PVC 1KV BLK				AR	1	
	510111	WIRE 7/.2 PVC 1KV BRN				AR	1	
	510333	WIRE 7/.2 PVC 1KV ORG				AR	1	
	590002	SLEEVE NP 3 X 25MM BLK	HELLERMANN	H30 X 25MM BLK		EA	6	
	590003	SLEEVE HS 6.4mm YLW.	RS COMPONENTS	399-524		AR	1	
	590031	SLEEVE HS 3.2mm YLW	RS COMPONENTS	399-502		AR	1	
	590077	SLEEVE HS 0.125 DIA CLEAR	RAYFAST	KYNAR 1/8 CLEAR		AR	1	
	605077	CRIMP TERMINAL GD PL	MOLEX	08-56-0105 TO DRG		EA	8	
	605154	SOCKET HOUSING 8-WAY .156" PIT	MOLEX	09-91-0800		EA	1	
	611054	SCREW M2 X 6 SLOT CSK SZP				EA	2	
	613009	SOLDER TAG 4 BA BTP				EA	1	
	613027	WASHER M2 INT. SHAKP.				EA	2	
	615016	NUT FULL M2 SZP				EA	2	
	700110	SWITCH PUSH BUTTON MAINS	ITT	1XNE18-2AEE-003 CHAS		EA	1	
	700111	SWITCH VOLTAGE SELECT	C & K	V202-12-SS-05-QA		EA	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY TRANSF LOW VOLT 4920M DRG NO: LP400962-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	300036-1	TRANSF MAINS 4920M	SIGA	SEE DRG		EA	1	
	590002	SLEEVE NP 3 X 25MM BLK	HELLERMANN	H30 X 25MM BLK		EA	12	
	605053	SOCKET HOUSING 12-WAY .1"PITCH	MOLEX	22-01-2125		EA	1	
	605057	CRIMP TERMINAL GD PL	MOLEX	08-56-0120 TO DRG		EA	8	
	605077	CRIMP TERMINAL GD PL	MOLEX	08-56-0105 TO DRG		EA	10	
	605141	SOCKET HOUSING 5-WAY .156" PIT	MOLEX	09-91-0500		EA	1	
	605155	SOCKET HOUSING 6-WAY .156" PIT	MOLEX	09-91-0600		EA	1	

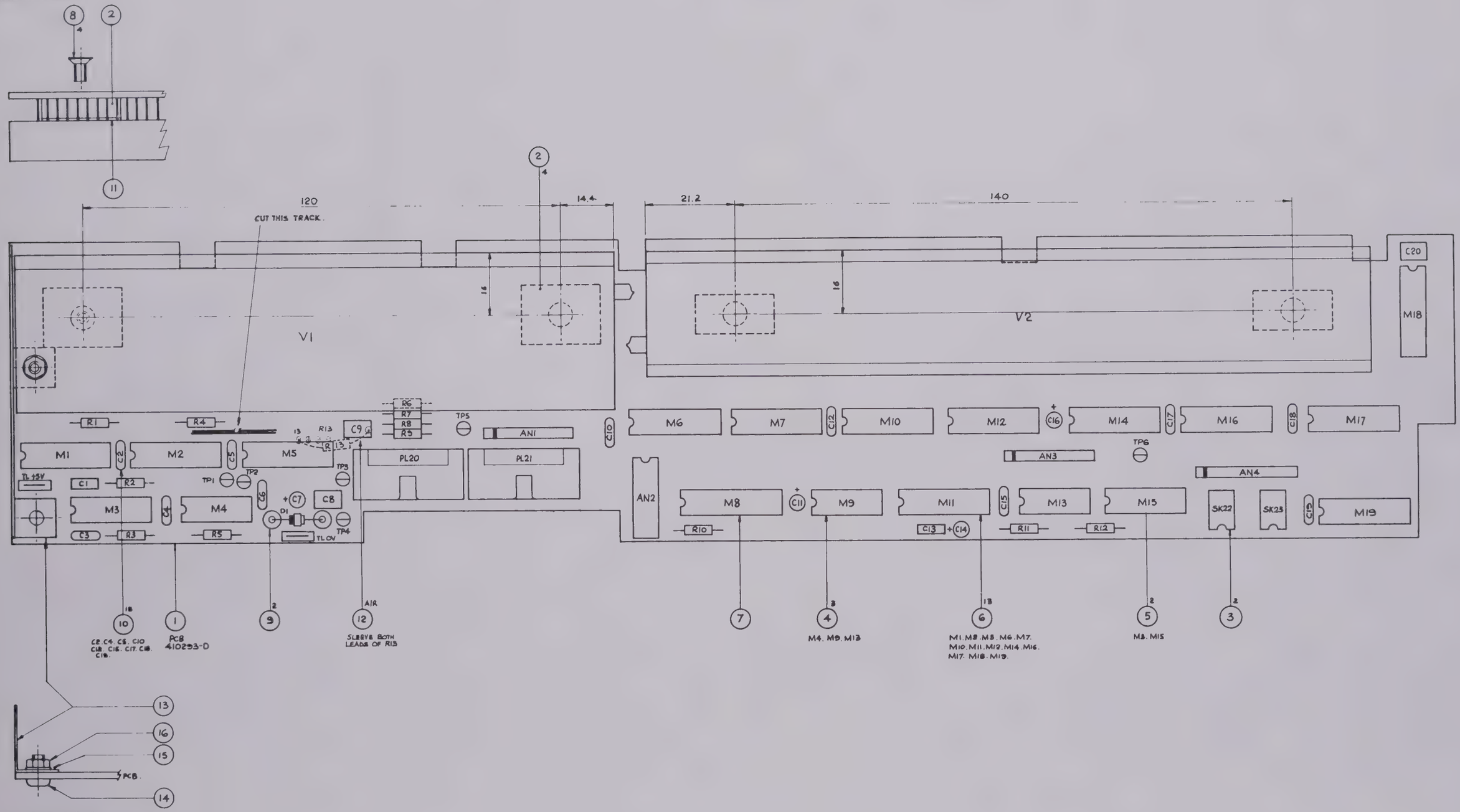
End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	570001	CABLE RIBBON 16 WAY	3M	3365/16		AR	1	
	605148	SOCKET CAB 16-WAY IDC .1"	3M	3452-6616EY		EA	2	

End

11-1-11

NOTE : SCREW HEAD WILL SIT ABOVE BOARD IN C31K6.



4920M

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DISPLAY ASSEMBLY

Drawing No. DA400739-1.3 Sheet 1

11.1.12

COMPLETE SERIAL DATA STREAM BEFORE LATCHING.

WORD 6 | 5 | 4 | 3 | 2 | 1 | WORD Ø

DDATA-H → 7 SEG (11) | 5 SPARE | LEFT DOT MATRIX + CURSOR (36) | CR SC | 12 SPARE | RIGHT DOT MATRIX + CURSOR (36) | CR SC | NOT USED

SEGMENT/DOT DRIVERS.

V1 12 CHARACTER 7 SEG. DISPLAY

V2 40 CHARACTER 5X7 DOT MATRIX DISPLAY.

CHARACTER DRIVERS.

DISPLAY PROTECTION.

M11 MM74C922 16 KEY ENCODER

M8 74HCT244P

M15 74HCT157

DISPLAY ASSEMBLY

Drawing No. DC400739-1.3 Sheet 1

4920M

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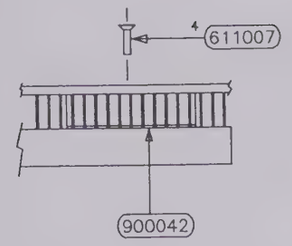
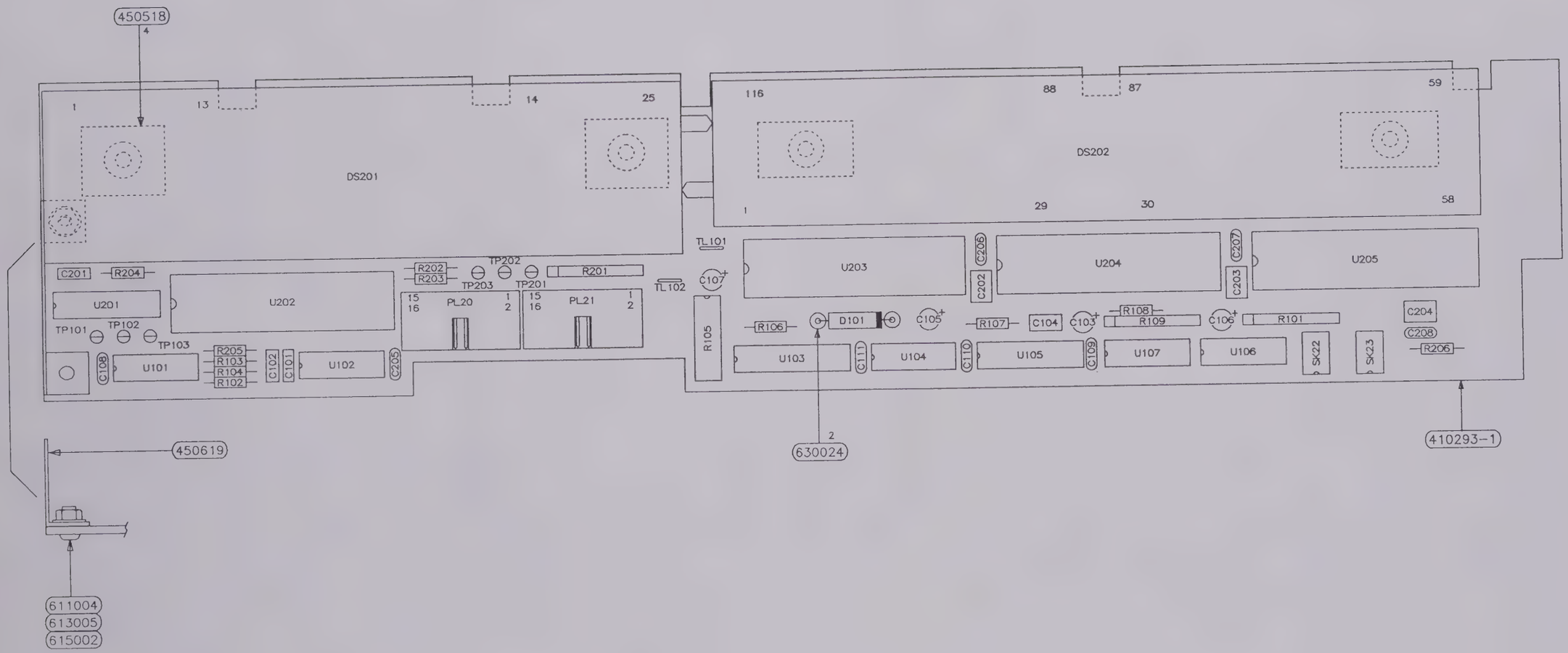
NOTE THAT SCREW HEAD WILL
SIT ABOVE SURFACE OF PCB





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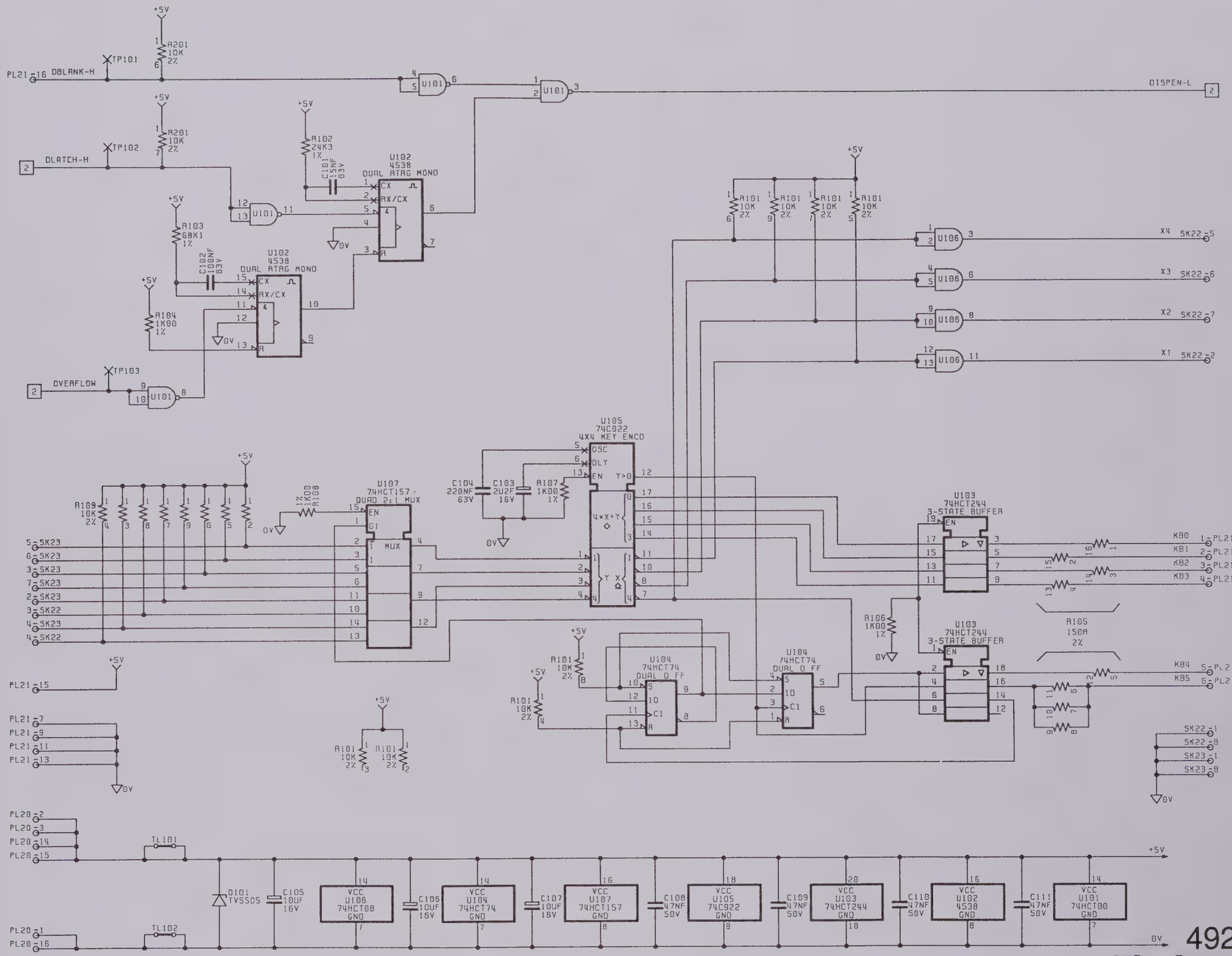
DISPLAY ASSEMBLY

Drawing No. DA400739-1.4 Sheet 1



4920M

DISPLAY ASSEMBLY

Drawing No. DC400739-1.4 Sheet 1

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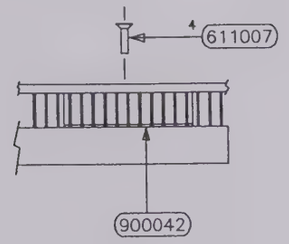
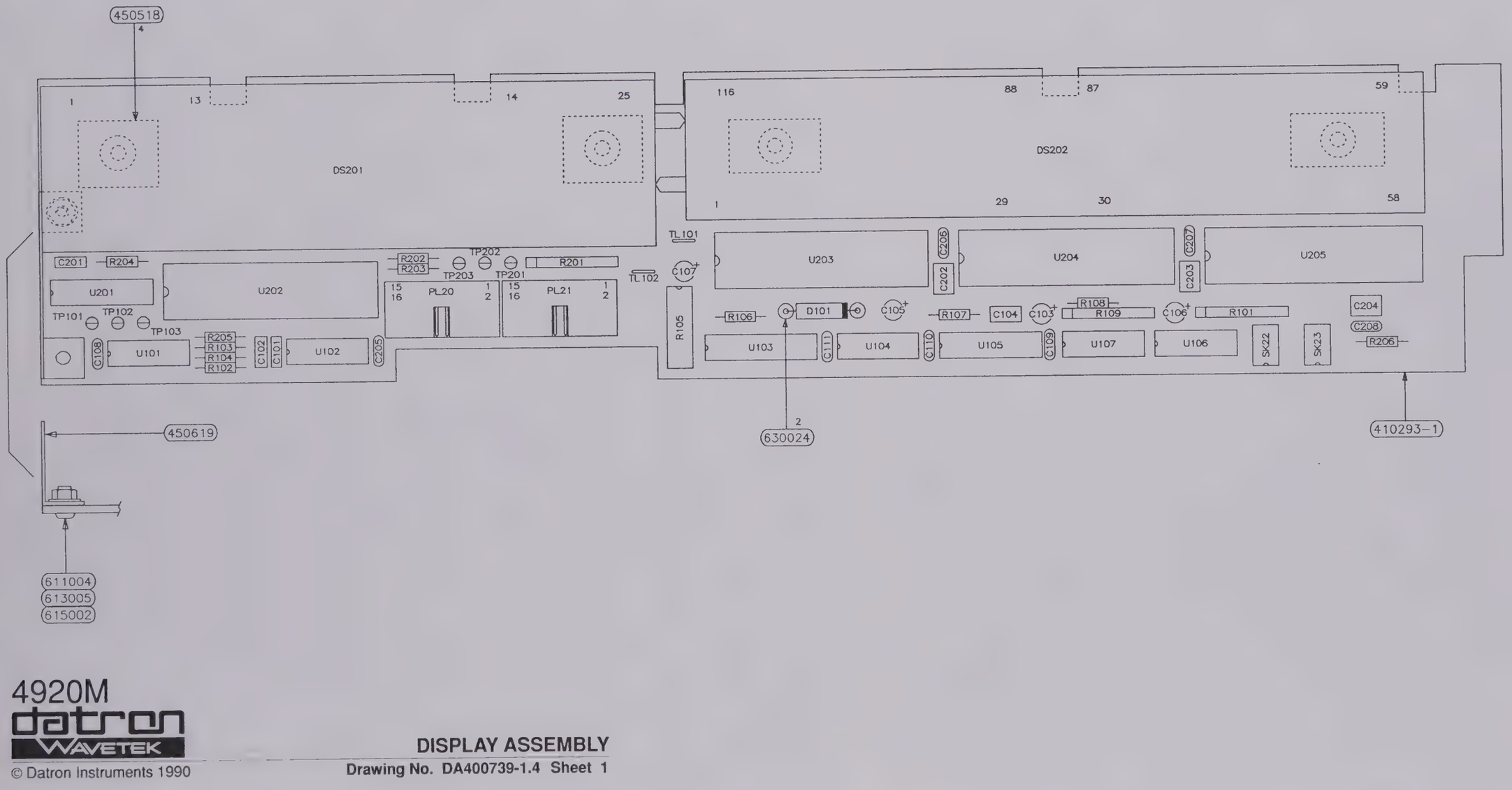
NOTE THAT SCREW HEAD WILL
SIT ABOVE SURFACE OF PCB





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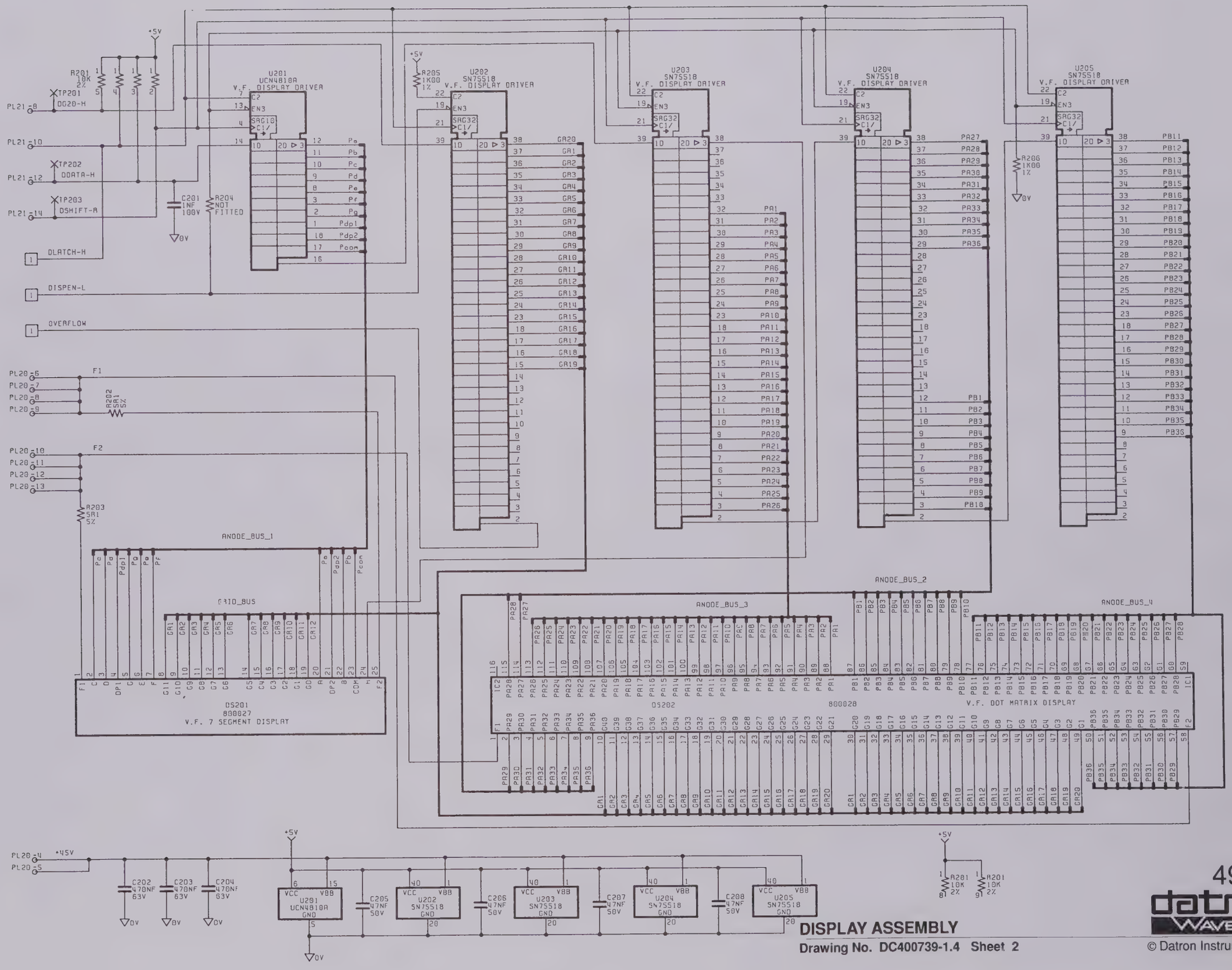
DISPLAY ASSEMBLY

Drawing No. DA400739-1.4 Sheet 1



DISPLAY ASSEMBLY

Drawing No. DC400739-1.4 Sheet 2

4920M

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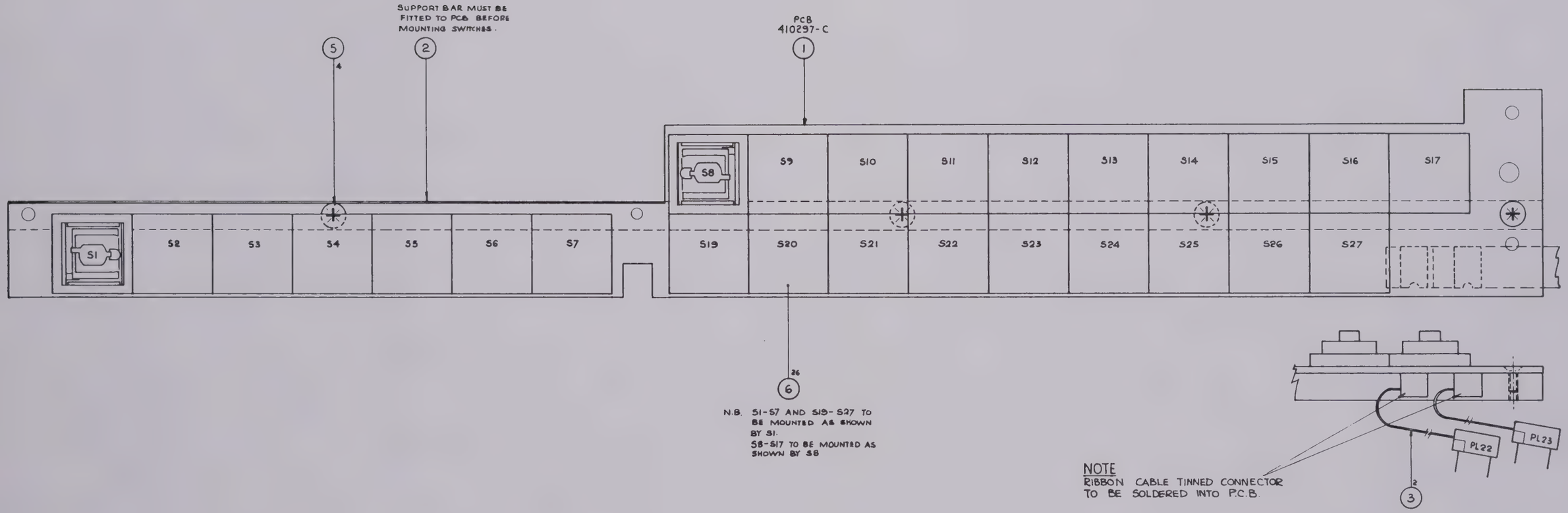

4920M

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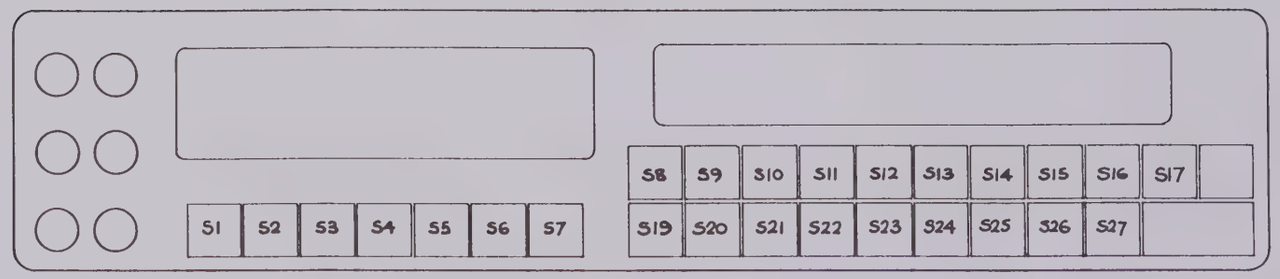
SWITCH ASSEMBLY

Drawing No. DA400744 Sheet 1



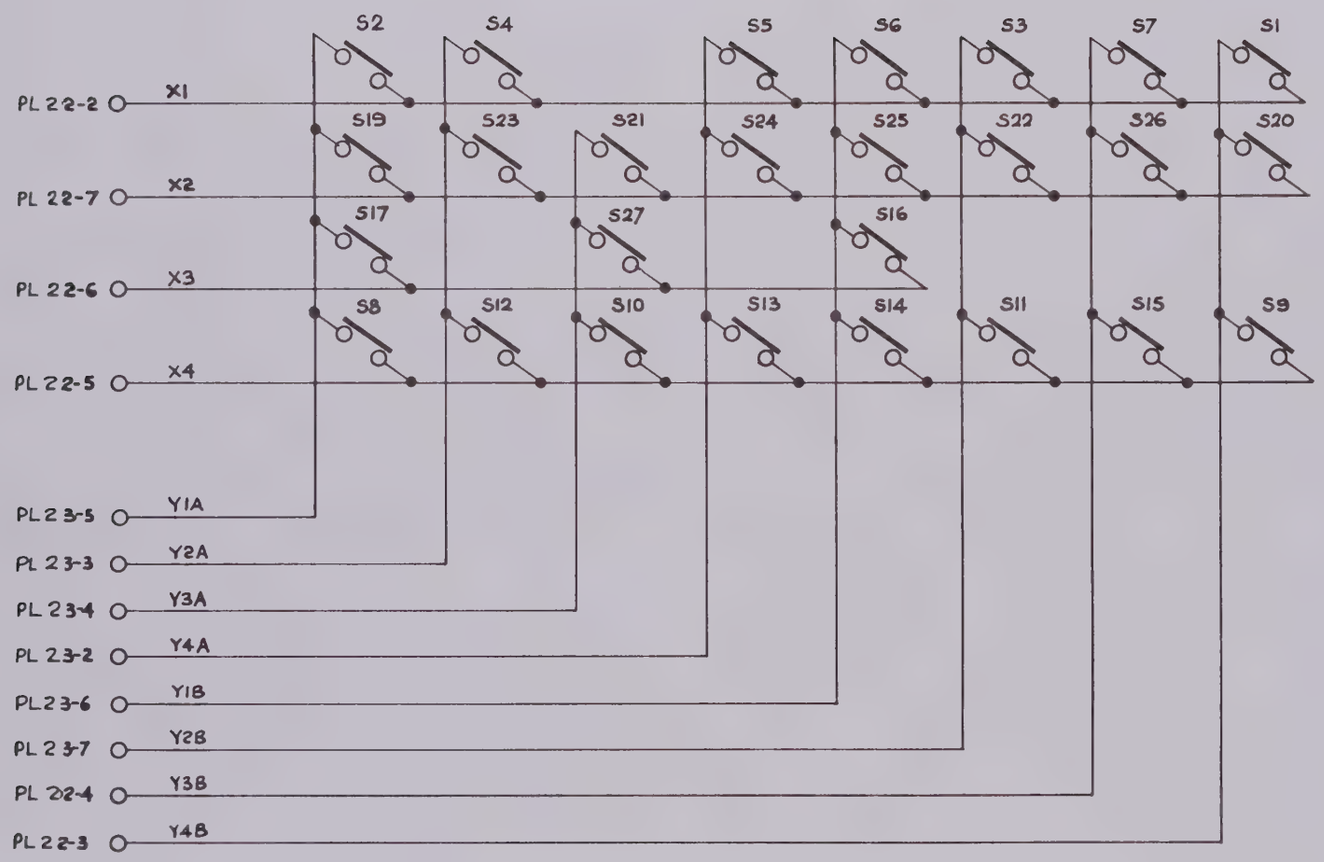
FRONT PANEL SWITCH LAYOUT.

PL 22-1 SPARE

PL 22-8 SPARE

PL 23-1 SPARE

PL 23-8 SPARE



KEY Nº	* KB4-KBØ	KEY Nº	* KB4-KBØ
1	1C	17	Ø2
2	ØØ		
3	14	19	Ø1
4	Ø4	20	1D
5	ØC	21	Ø9
6	1Ø	22	15
7	18	23	Ø5
8	Ø3	24	ØD
9	1F	25	11
10	ØB	26	19
11	17	27	ØA
12	Ø7		
13	ØF		
14	13		
15	1B		
16	12		

* FOR KBØ-KB5 REFER TO 400739

KB5 IS A LOGIC '1' WHILE A VALID KEY IS HELD. THE KEY ENCODER OUTPUT ALWAYS INDICATES THE LAST VALID KEY ON KB4-KBØ.

4920M

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SWITCH ASSEMBLY

Drawing No. DC400744 Sheet 1

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	000102	RES CF 1K0 5% .25W	NEOHM	CFR25	A	EA	7	
R2	000683	RES CF 68K 5% .25W	NEOHM	CFR25	A	EA	1	
R3	000243	RES CF 24K 5% .25W	NEOHM	CFR25	A	EA	1	
R4	000102	RES CF 1K0 5% .25W	NEOHM	CFR25	A	EA	-	
R5	000102	RES CF 1K0 5% .25W	NEOHM	CFR25	A	EA	-	
R6	00000N	NOT FITTED				EA	2	
R7	000518	RES CF 5R1 5% .25W	NEOHM	CFR25	A	EA	2	
R8	00000N	NOT FITTED				EA	-	
R9	000518	RES CF 5R1 5% .25W	NEOHM	CFR25	A	EA	-	
R10	000102	RES CF 1K0 5% .25W	NEOHM	CFR25	A	EA	-	
R11	000102	RES CF 1K0 5% .25W	NEOHM	CFR25	A	EA	-	
R12	000102	RES CF 1K0 5% .25W	NEOHM	CFR25	A	EA	-	
R13	000102	RES CF 1K0 5% .25W	NEOHM	CFR25	A	EA	-	
AN1	090163	RES NTWK 10K x 8 2%	BECKMAN	LO9-1-R10K	A	EA	3	
AN2	090153	RES PACK 150R X 8 2%	AB	761-3-150R	A	EA	1	
AN3	090163	RES NTWK 10K x 8 2%	BECKMAN	LO9-1-R10K	A	EA	-	
AN4	090163	RES NTWK 10K x 8 2%	BECKMAN	LO9-1-R10K	A	EA	-	
C1	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	1	
C2	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	9	
C3	110015	CAP PE 15NF 20% 63V	WIMA	MKS2		EA	1	
C4	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C5	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C6	110030	CAP PE 1NF 20% 100V	WIMA	FKS2		EA	1	
C7	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	3	
C8	110039	CAP PE 470NF 20% 63V	WIMA	MKS2		EA	3	
C9	110039	CAP PE 470NF 20% 63V	WIMA	MKS2		EA	-	
C10	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C11	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	-	
C12	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C13	110035	CAP PE 220NF 20% 63V	WIMA	MKS2		EA	1	
C14	150005	CAP DT 2U2F 20% 16V	AVX	TAP2R2M16F	A	EA	1	
C15	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C16	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	-	
C17	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C18	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C19	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C20	110039	CAP PE 470NF 20% 63V	WIMA	MKS2		EA	-	
D1	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	1	
M1	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	12	
M2	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M3	280068	IC DIG MONO RTRIG PREC	MOTOROLA	MC14538BCP		EA	1	
M4	280166	IC DIG NAND2 X4	TEXAS	SN74HCT00N	A	EA	1	
M5	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M6	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M7	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
M8	280137	IC DIG BUFF4 3S X2	PHILIPS	PC74HCT244P		EA	1	
M9	280160	IC DIG FLIP FLOP D X2	TEXAS	SN74HCT74N		EA	1	
M10	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M11	280067	IC DIG ENCODER 16KEY	NATIONAL	MM74C922		EA	1	
M12	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M13	280159	IC DIG AND2 X4	TEXAS	SN74HCT08N		EA	1	
M14	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M15	280163	IC DIG MUX 2TO1 X4	TEXAS	SN74HCT157N		EA	1	
M16	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M17	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M18	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
M19	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	-	
PL20	604077	PLUG PCB 16-WAY 90 DEG. HEADER	3M	3599-5002UN		EA	2	
PL21	604077	PLUG PCB 16-WAY 90 DEG. HEADER	3M	3599-5002UN		EA	-	
TP1	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	6	
TP2	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP3	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP4	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP5	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP6	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
	410293-D	PCB DISPLAY 1281		SEE DRG		EA	1	
	450518-1	SPACER DISPLAY 1281		SEE DRG		EA	4	
	450619-1	GUARD SCREEN DISPLAY 1281		SEE DRG		EA	1	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10		AR	1	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	2	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	3	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	2	
	605062	SOCKET PCB 18-WAY DIL	JERMYN	J23-18018	A	EA	13	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A	EA	1	
	611004	SCREW M3 X 6 POZIPAN SZP				EA	1	
	611007	SCREW M3 X 6 POZICSK SZP				EA	4	
	613005	WASHER M3 INT SHAKEPROOF				EA	1	
	615002	NUT FULL M3 SZP				EA	1	
	620010	TEST LINK	SIEMENS	CA42195-A126-A1		EA	2	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2		EA	2	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL (PREFORMS) LT	M5363B/3		EA	18	
	900042	ADHESIVE ACRYLIC TOUGHENED	PERMABOND	F246/No5 KIT		EA	1	
V1	800027-1	DISPLAY 18MM X 8.5 DIGIT		SEE DRG		EA	1	
V2	800028-1	DISPLAY V.F.DOT MATRIX		SEE DRG		EA	1	

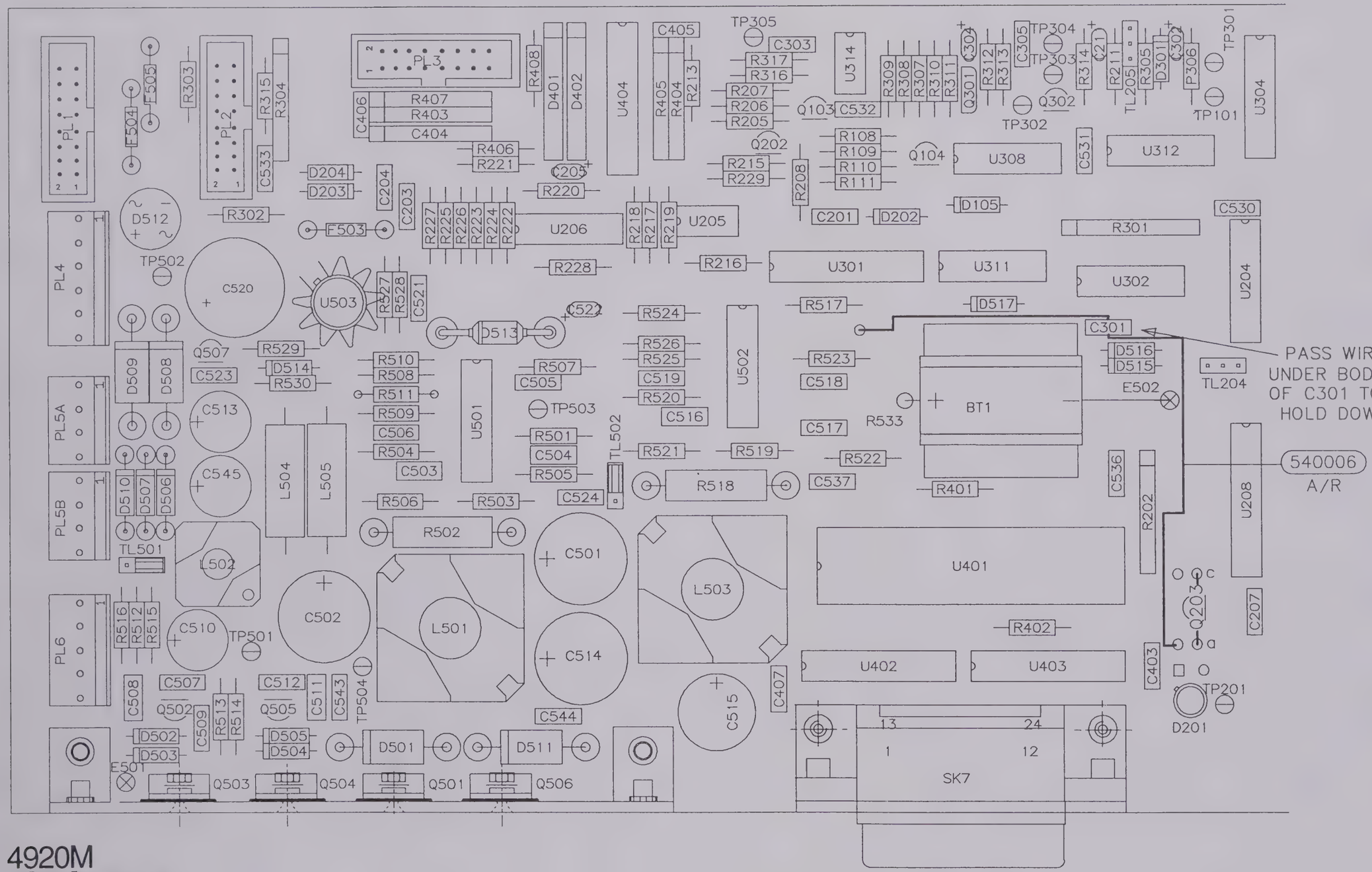
DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R101	090163	RES NTWK 10K x 8 2%	BECKMAN	LO9-1-R10K	A	EA	3	
R102	012432	RES MF 24K3 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R103	016812	RES MF 68K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R104	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	6	
R105	090153	RES PACK 150R X 8 2%	AB	761-3-150R	A	EA	1	
R106	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R107	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R108	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R109	090163	RES NTWK 10K x 8 2%	BECKMAN	LO9-1-R10K	A	EA	-	
R201	090163	RES NTWK 10K x 8 2%	BECKMAN	LO9-1-R10K	A	EA	-	
R202	000518	RES CF 5R1 5% .25W	NEOHM	CFR25	A	EA	2	
R203	000518	RES CF 5R1 5% .25W	NEOHM	CFR25	A	EA	-	
R204	00000N	NOT FITTED				EA	1	
R205	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R206	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
C101	110015	CAP PE 15NF 20% 63V	WIMA	MKS2		EA	1	
C102	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	1	
C103	150005	CAP DT 2U2F 20% 16V	AVX	TAP2R2M16F	A	EA	1	
C104	110035	CAP PE 220NF 20% 63V	WIMA	MKS2		EA	1	
C105	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	3	
C106	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	-	
C107	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	-	
C108	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	8	
C109	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C110	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C111	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C201	110030	CAP PE 1NF 20% 100V	WIMA	FKS2		EA	1	
C202	110039	CAP PE 470NF 20% 63V	WIMA	MKS2		EA	3	
C203	110039	CAP PE 470NF 20% 63V	WIMA	MKS2		EA	-	
C204	110039	CAP PE 470NF 20% 63V	WIMA	MKS2		EA	-	
C205	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C206	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C207	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C208	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
D101	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	1	
U101	280166	IC DIG NAND2 X4	TEXAS	SN74HCT00N	A	EA	1	
U102	280068	IC DIG MONO RTRIG PREC	MOTOROLA	MC14538BCP		EA	1	
U103	280137	IC DIG BUFF4 3S X2	PHILIPS	PC74HCT244P		EA	1	
U104	280160	IC DIG FLIP FLOP D X2	TEXAS	SN74HCT74N		EA	1	
U105	280067	IC DIG ENCODER 16KEY	NATIONAL	MM74C922		EA	1	
U106	280159	IC DIG AND2 X4	TEXAS	SN74HCT08N		EA	1	
U107	280163	IC DIG MUX 2TO1 X4	TEXAS	SN74HCT157N		EA	1	
U201	270106	IC DIG SHIFTR10 DRIVER DISP	TEXAS	TL4810BN	A	EA	1	
U202	270125	IC DIG SHIFTR32 DRIVER DISP	TEXAS	SN75518N		EA	4	
U203	270125	IC DIG SHIFTR32 DRIVER DISP	TEXAS	SN75518N		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
U204	270125	IC DIG SHIFTR32 DRIVER DISP	TEXAS	SN75518N		EA	-	
U205	270125	IC DIG SHIFTR32 DRIVER DISP	TEXAS	SN75518N		EA	-	
PL20	604077	PLUG PCB 16-WAY 90 DEG. HEADER	3M	3599-5002UN		EA	2	
PL21	604077	PLUG PCB 16-WAY 90 DEG. HEADER	3M	3599-5002UN		EA	-	
SK22	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	2	
SK23	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	-	
TL101	620013-1	TEST LOOP	DATRON	SEE DRG		EA	2	
TL102	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	
TP101	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	6	
TP102	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP103	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP201	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP202	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP203	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
DS201	800027-1	DISPLAY 18MM X 8.5 DIGIT		SEE DRG		EA	1	
DS202	800028-1	DISPLAY V.F.DOT MATRIX		SEE DRG		EA	1	
	410293-1	PCB DISPLAY 12XX		SEE DRG		EA	1	
	450518-1	SPACER DISPLAY 1281		SEE DRG		EA	4	
	450619-1	GUARD SCREEN DISPLAY 1281		SEE DRG		EA	1	
	611004	SCREW M3 X 6 POZIPAN SZP				EA	1	
	611007	SCREW M3 X 6 POZICSK SZP				EA	4	
	613005	WASHER M3 INT SHAKEPROOF				EA	1	
	615002	NUT FULL M3 SZP				EA	1	
	900042	ADHESIVE ACRYLIC TOUGHENED	PERMABOND	F246/No5 KIT		EA	1	

End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	410297-C	PCB SWITCH 1281		SEE DRG		EA	1	
	450537-1	SWITCH PCB SUPPT BAR 1281		SEE DRG		EA	1	
	570013-1	ASSY CABLE RIBBON 8-WAY 1281		SEE DRG		EA	2	
	611088	SCREW M2.5 X 6 POZICSK SZP				EA	4	
	700113	SWITCH PUSH BUTTON	RAFI	3-12961-001		EA	26	

End



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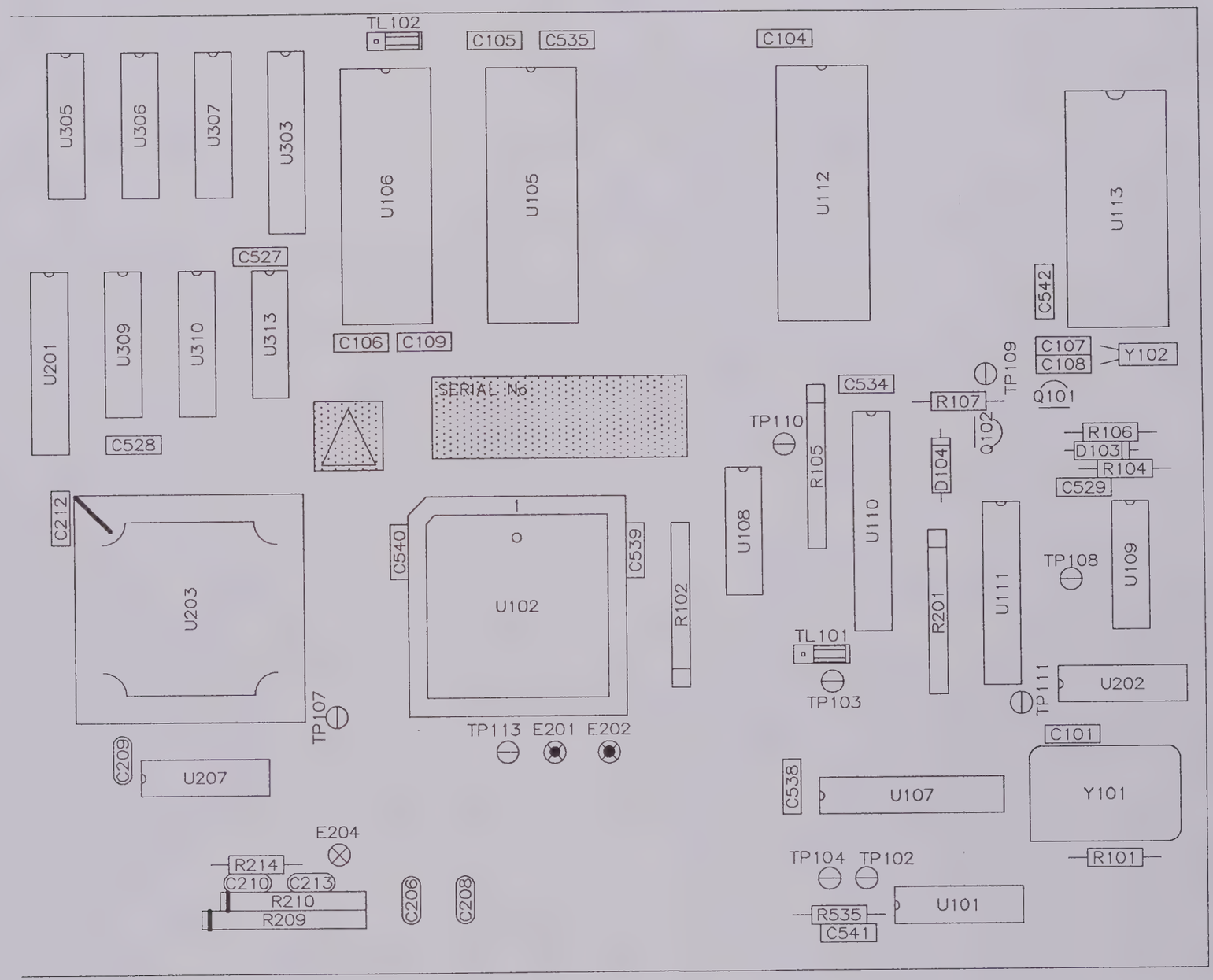
DIGITAL ASSEMBLY (left-hand - expanded)

Drawing No. DA400933 **Sheet 2 of 3**

11.2.7



DIGITAL ASSEMBLY (right-hand - expanded)

Drawing No. DA400933 **Sheet 3 of 3**

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PART No	No OFF	WHERE USED
602001	2	R511
618002	1	U503
618004	1	D201
630024	14	R502,R518,D501,D508,D509,D511,D513
630036	12	F503–505 D506,D507,D510.

MOUNTING I C'S			
No OF PINS	PART No	No OFF	WHERE USED
8	605059	2	U206 , U314
14	605060	11	U101 , U108 , U109 , U202 , U205 , U207 , U302 , U308 U311 , U312 , U313 .
16	605061	9	U204 , U304 , U305 , U306 , U307 , U309 , U310 , U501 , U502 .
20	605070	9	U107 , U111 , U201 , U208 , U301 , U303 , U402 . U403 , U404 .
24	605175	1	U110
28	605065	3	U112 , U105 , U106 .
32	605199	2	U103 , U104 .
40	605050	1	U401 .
68	605204	1	U102 .
68	605207	1	U203 .
24	605064	1	U113

920198
630098
920228
MOUNT BEAD UNDER R533 BODY .
630243
540002
605203
420112
420098
414007–2
MOUNT BEAD UNDER C404 AT ENDS
630243
2
C404
U503
C520
R533
BT1
E502
U313
U106
U105
U104
C106
C109
TL102
SERIAL No.
Y102
U108
U203
U102
TP113 E201 E202
TL101
TL502
C501
TL501
C502
C514
E501
Q503
Q504
Q501
Q506
SK7
E204
S1
B
SK9
630331
ADD TO TOP OF C501, C502, C514 & C520
611016
613029
450803
613029
611016
606032
900009
512333
512444
700130
590001
SLEEVE S1 CONTACTS
614031
611122
613027
615016
900009
601001
540006
590001
PCB
605127
TL101
TL102
TL501
TL502
613029
615002
611016
VIEW IN DIRECTION OF ARROW 'B'
618010
450513
618001
613029
615002
611008
Q503–Q506
60mm
590001
540015
613009

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DIGITAL ASSEMBLY

Drawing No. DA400933 Sheet 1of 3

N.B. expanded versions are on Sheets 2 and 3 (page 11.3-1)

ADDRESS (1:23)
DATA (0:15)

U102 SCN68000CBA68 16BIT PROCESSOR
U103 HN27C101G-25 UV EPROM 1MBIT
U104 HN27C101G-25 UV EPROM 1MBIT
U112 HM62256P-12 STATIC RAM
U105 HM62256P-12 STATIC RAM
U106 TC5564PL-1 STATIC RAM LOW POWER
U113 ICM7170IPG REAL TIME CLOCK
U101 74LS393 DUAL BIN CNTR
U101 74LS393 DUAL BIN CNTR
U107 PAL10L8 FPLO
U110 20L8A FPLO
U111 PAL10L8 FPLO
U109
U108
U108
U109
U109
Y101 16MHz CRYSTAL OSC
Y102 32K768Hz
Q101 BC184
Q102 BC184
Q103 BC214C
Q104 BC184
D101 1N4148
D102 1N4148
D103 1N4148
D104 1N4148
D105 1N6263
TP101 BR_L
TP102 CLK0
TP103 DTACK_L
TP104 BERR_L
TP107 WREN_L
TP108 A_HW_L
TP109 UWR_L
TP110 LWR_L
TP111 SEL_IO_L
TP113 AS_L
TL101
A101 10R0 1%
A102 2K2 2%
A201 2K2 2%
A105 3K3 5%
A104 10K0 1%
A106 10K0 1%
A107 10K0 1%
A108 681R 1%
A109 3K74 1%
A110 2K21 1%
A111 10K0 1%
C101 100NF 63V
C107 15PF 100V
C108 15PF 100V
+5V_1
0V_1
0VSTBY1
CLK0
CLK4
CLK1
CLK0.5
DATA
ADR
UDS_L
LDS_L
R_HW_L
WREN_L
BERR_L
IACK_L
UDTACK_L
EN_BUF_L
BR_HW_L
R_W_H
ST_BG_H
BG_L
AS_L
SEL_IO_L
SEL_RAM_L
RD_ROM_L
NVEN_H
R_LW_H
UWR_L
LWR_L
RTC_INT_L
SEL_NV_RAM_L
SEL_USER_NV_L
SEL_SEC_CAL_L
SEL_PAT_CAL_L
DTACK_L
RD_FP_L
SEL_GPIA_L
RD_SW_L
SEL_UART_L
WR_LTCH_L
SEL_ULA_L
CONTROL

DIGITAL ASSEMBLY

Processor, Address Decode and Memory

Drawing No. DC400933 **Sheet 1 of 6**

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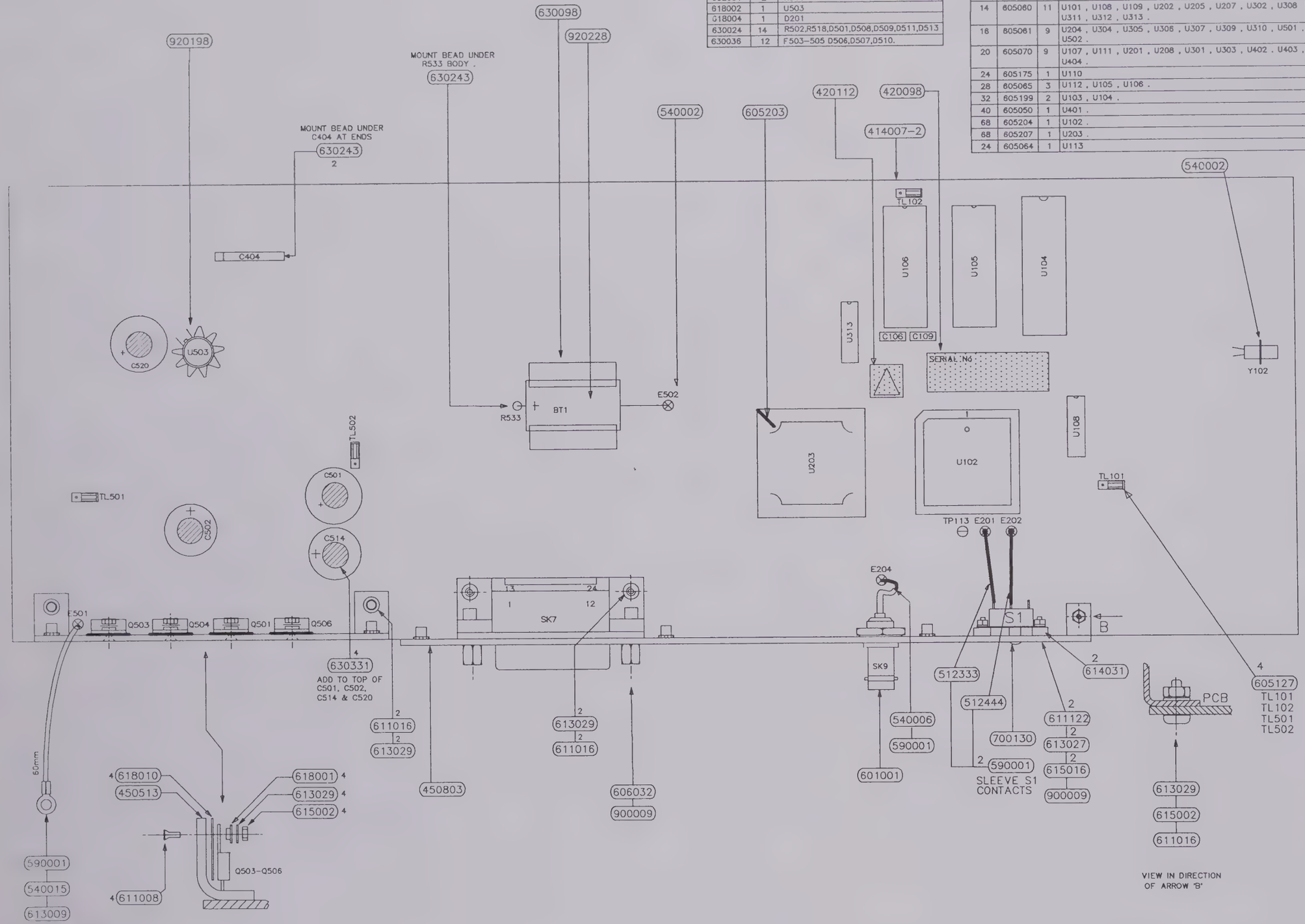
PART No	No OFF	WHERE USED
602001	2	R511
618002	1	U503
618004	1	D201
630024	14	R502,R518,D501,D508,D509,D511,D513
630036	12	F503–505 D506,D507,D510.

MOUNTING I C'S			
No OF PINS	PART No	No OFF	WHERE USED
8	605059	2	U206 , U314
14	605060	11	U101 , U108 , U109 , U202 , U205 , U207 , U302 , U308 U311 , U312 , U313 .
16	605061	9	U204 , U304 , U305 , U306 , U307 , U309 , U310 , U501 . U502 .
20	605070	9	U107 , U111 , U201 , U208 , U301 , U303 , U402 . U403 , U404 .
24	605175	1	U110
28	605065	3	U112 , U105 , U106 .
32	605199	2	U103 , U104 .
40	605050	1	U401 .
68	605204	1	U102 .
68	605207	1	U203 .
24	605064	1	U113



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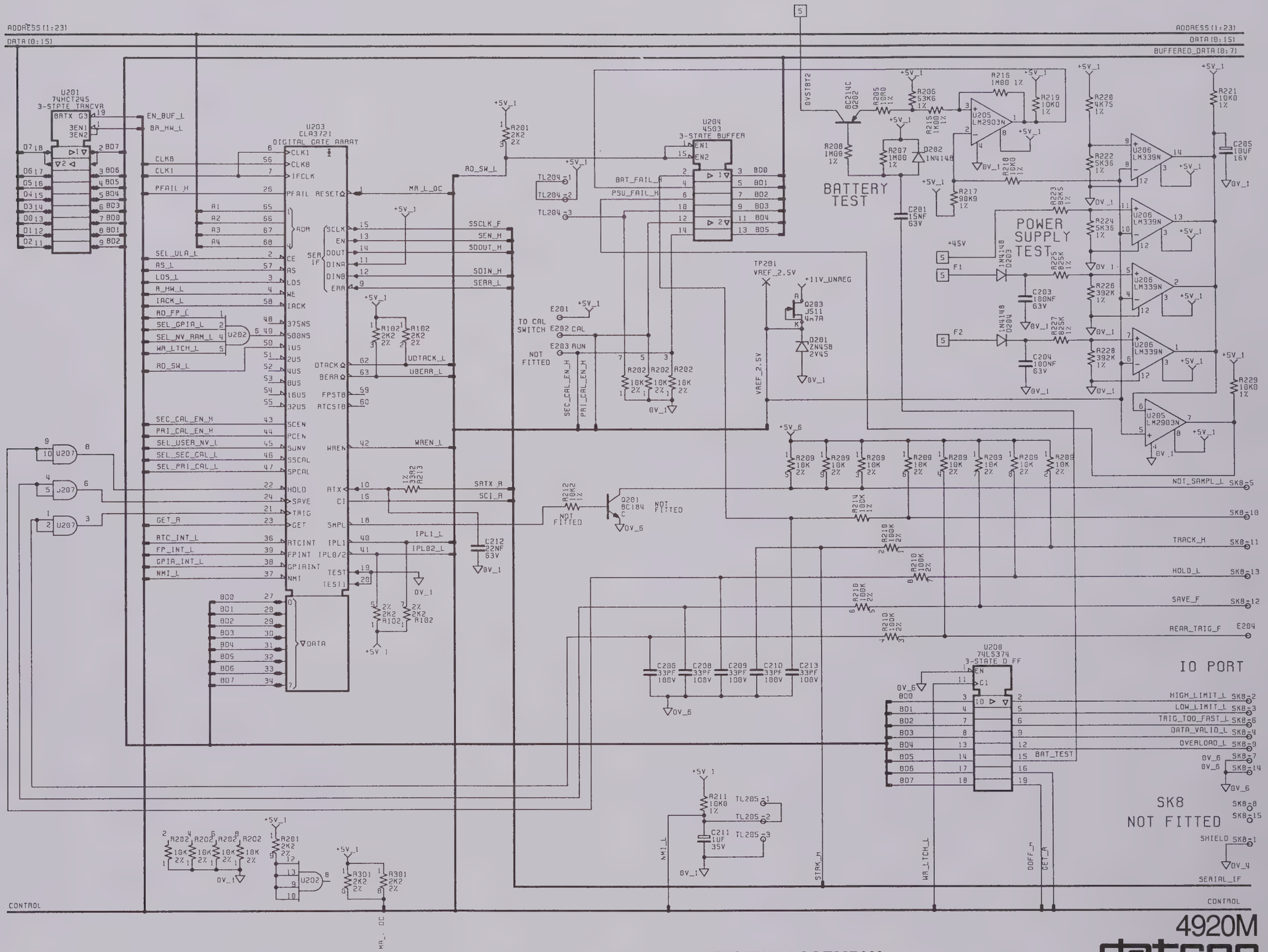
DIGITAL ASSEMBLY

Drawing No. DA400933 Sheet 1of 3

N.B. expanded versions are on Sheets 2 and 3 (page 11.3-1)


ADDRESS(1:23)
DATA(0:15)
BUFFERED_DATA(0:7)
U201 74HCT245 3-STATE TRNCVR
U203 CLA3721 DIGITAL GATE ARRAY
U204 4503 3-STATE BUFFER
U205 LM2903N
U206 LM339N
U207
U208 74LS374 3-STATE D FF
U202
BATTERY TEST
POWER SUPPLY TEST
IO PORT
SK8 NOT FITTED
NOT FITTED
EN_BUF_L
BA_HW_L
CLK8
CLK1
PFAIL_H
SEL_ULA_L
AS_L
LDS_L
R_HW_L
IACK_L
RD_FP_L
SEL_GPIA_L
SEL_NV_RAM_L
WR_LTCH_L
RD_SW_L
SEC_CAL_EN_H
PRI_CAL_EN_H
SEL_USER_NV_L
SEL_SEC_CAL_L
SEL_PRI_CAL_L
GET_R
RTC_INT_L
FP_INT_L
GPIA_INT_L
NMI_L
MR_L_OC
AD_SW_L
SSCLK_F
SEN_H
SDOUT_H
SDIN_H
SERA_L
UDTACK_L
UBERR_L
WREN_L
SATX_R
SCI_R
IPL1_L
IPL02_L
BAT_FAIL_H
PSU_FAIL_H
TO CAL SWITCH
E202 CAL
E203 RUN
VREF_2.5V
+11V_UNREG
+45V
F1
F2
NOT_SAMPL_L
TRACK_H
HOLD_L
SAVE_F
REAR_TRIG_F
HIGH_LIMIT_L
LOW_LIMIT_L
TRIG_TOO_FAST_L
DATA_VALID_L
OVERLOAD_L
BAT_TEST
SHIELD
SERIAL_IF
CONTROL
+5V_1
+5V_6
0V_1
0V_6
4920M
DIGITAL ASSEMBLY
ASIC and I/O
Drawing No. DC400933 Sheet 2 of 6
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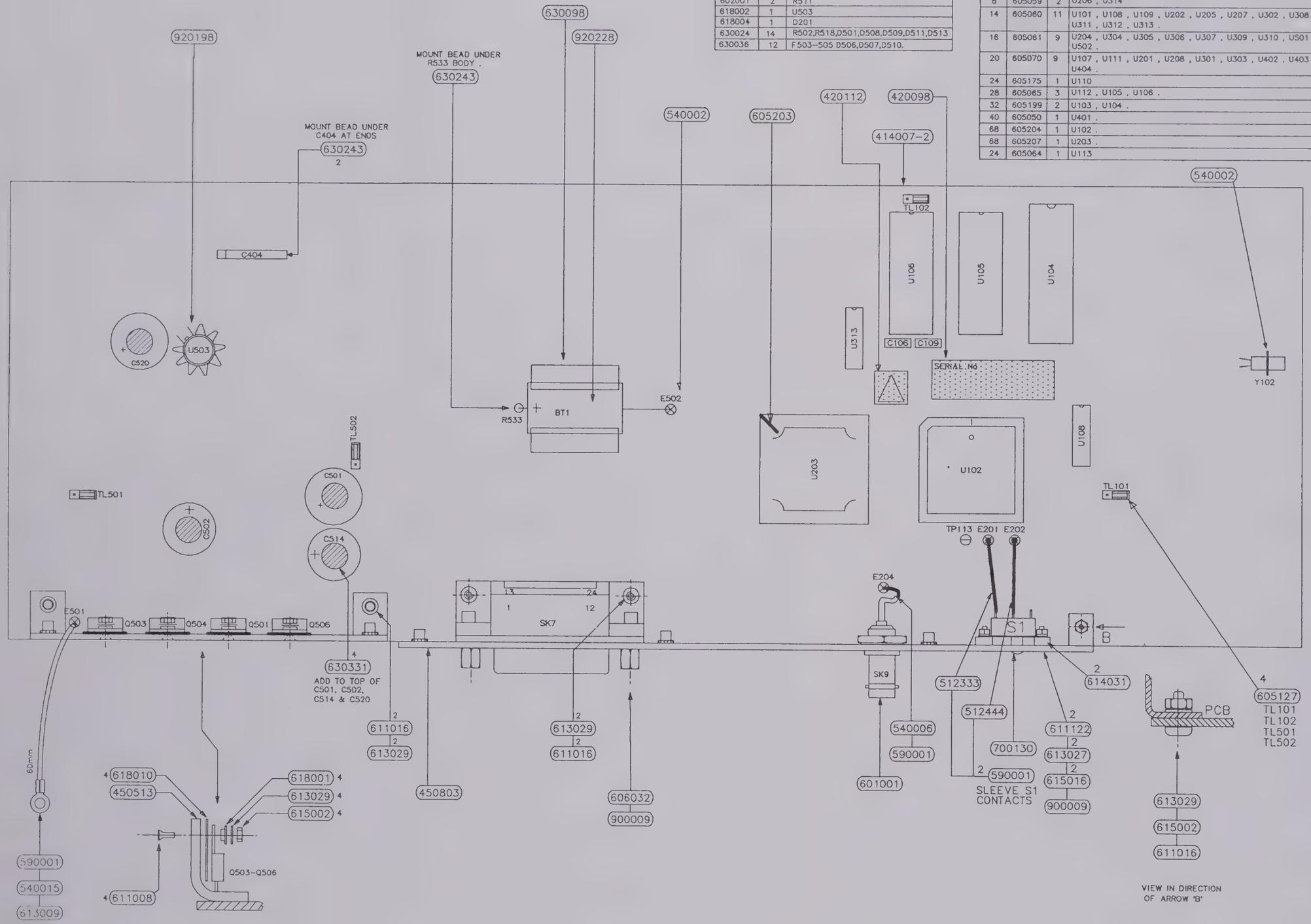
11.3-3

PART No	No OFF	WHERE USED
602001	2	R511
618002	1	U503
618004	1	D201
630024	14	R502,R518,D501,D508,D509,D511,D513
630036	12	F503-505 D506,D507,D510.

MOUNTING I C'S			
No OF PINS	PART No	No OFF	WHERE USED
8	605059	2	U206 , U314
14	605060	11	U101 , U108 , U109 , U202 , U205 , U207 , U302 , U308 U311 , U312 , U313 .
16	605061	9	U204 , U304 , U305 , U306 , U307 , U309 , U310 , U501 , U502 .
20	605070	9	U107 , U111 , U201 , U208 , U301 , U303 , U402 , U403 , U404 .
24	605175	1	U110
28	605065	3	U112 , U105 , U106 .
32	605199	2	U103 , U104 .
40	605050	1	U401 .
68	605204	1	U102 .
68	605207	1	U203 .
24	605064	1	U113



VIEW IN DIRECTION OF ARROW 'B'

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Drawing No. DA400933 Sheet 1of 3

N.B. expanded versions are on Sheets 2 and 3 (page 11.3-1)

KEYBOARD BUFFER

KEY PRESS LATCH

DISPLAY DATA SHIFT REGISTERS

DISPLAY CONTROL AND BUS ARBITRATION

POWER FAIL DETECTOR

TO DISPLAY PCB 400739

4920M

DIGITAL ASSEMBLY

Keyboard/Display Interface and Power Fail Detector

Drawing No. DC400933 **Sheet 3 of 6**

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PART No	No OFF	WHERE USED
602001	2	R511
618002	1	U503
618004	1	D201
630024	14	R502,R518,D501,D508,D509,D511,D513
630036	12	F503-505 D506,D507,D510.

MOUNTING I C'S			
No OF PINS	PART No	No OFF	WHERE USED
8	605059	2	U206 , U314
14	605060	11	U101 , U108 , U109 , U202 , U205 , U207 , U302 , U308 U311 , U312 , U313 .
16	605061	9	U204 , U304 , U305 , U306 , U307 , U309 , U310 , U501 , U502 .
20	605070	9	U107 , U111 , U201 , U208 , U301 , U303 , U402 . U403 , U404 .
24	605175	1	U110
28	605065	3	U112 , U105 , U106 .
32	605199	2	U103 , U104 .
40	605050	1	U401 .
68	605204	1	U102 .
68	605207	1	U203 .
24	605064	1	U113

920198
630098
920228
MOUNT BEAD UNDER R533 BODY .
630243
540002
605203
420112
420098
414007-2
MOUNT BEAD UNDER C404 AT ENDS
630243
2
C404
TL102
U106
U105
U104
U313
C106
C109
SERIAL No
Y102
U108
U203
U102
TL101
TP113
E201
E202
E204
C520
U503
R533
BT1
E502
TL502
C501
C502
C514
TL501
E501
Q503
Q504
Q501
Q506
SK7
SK9
S1
B
4
630331
ADD TO TOP OF C501, C502, C514 & C520
2
611016
2
613029
2
613029
2
611016
450803
606032
900009
601001
540006
590001
512333
512444
700130
2
590001
SLEEVE S1 CONTACTS
2
614031
2
611122
2
613027
2
615016
900009
PCB
4
605127
TL101
TL102
TL501
TL502
613029
615002
611016
VIEW IN DIRECTION OF ARROW 'B'
60mm
4
618010
450513
4
618001
4
613029
4
615002
4
611008
Q503-Q506
590001
540015
613009

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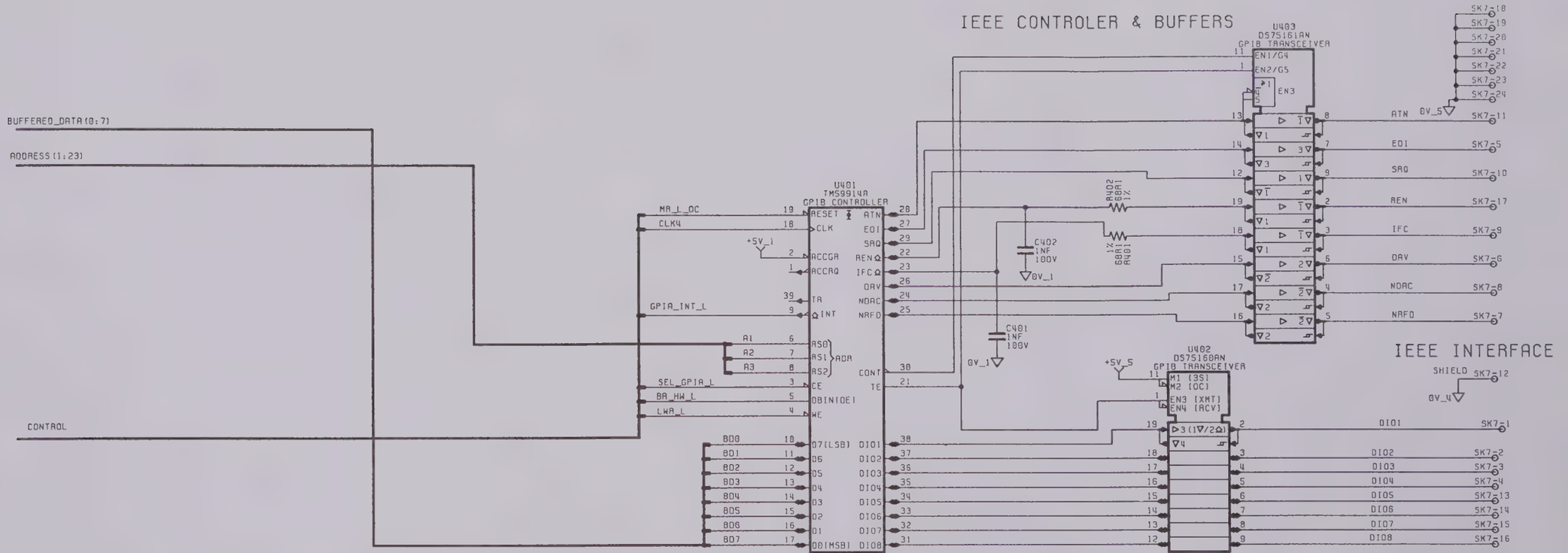
Drawing No. DA400933 Sheet 1of 3

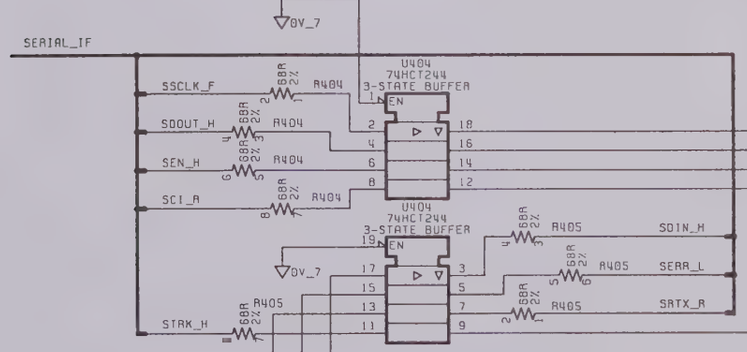
N.B. expanded versions are on Sheets 2 and 3 (page 11.3-1)

IEEE CONTROLER & BUFFERS

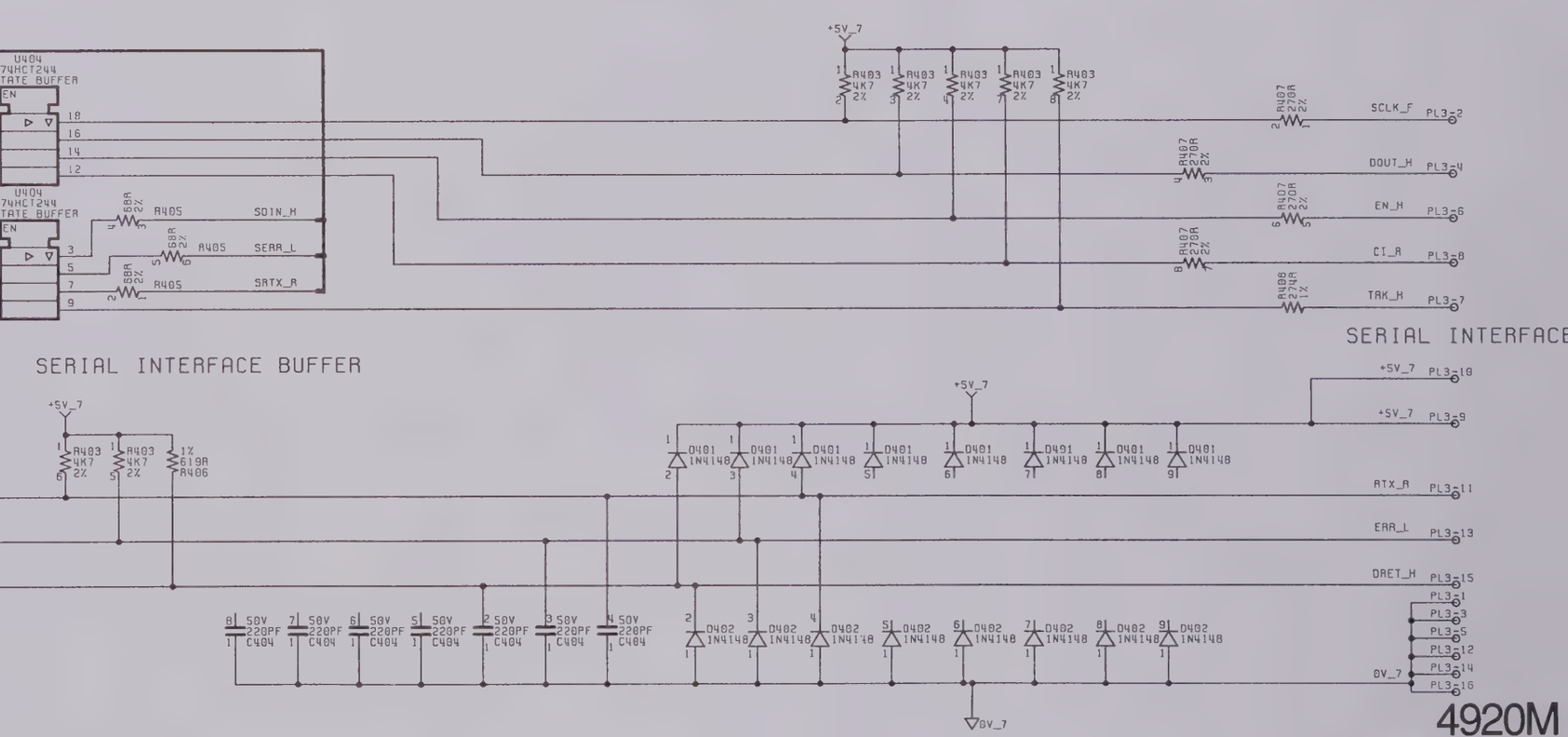


IEEE INTERFACE

SERIAL INTERFACE BUFFER



SERIAL INTERFACE



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IEEE Interface and Serial Interface

Drawing No. DC400933 **Sheet 4 of 6**

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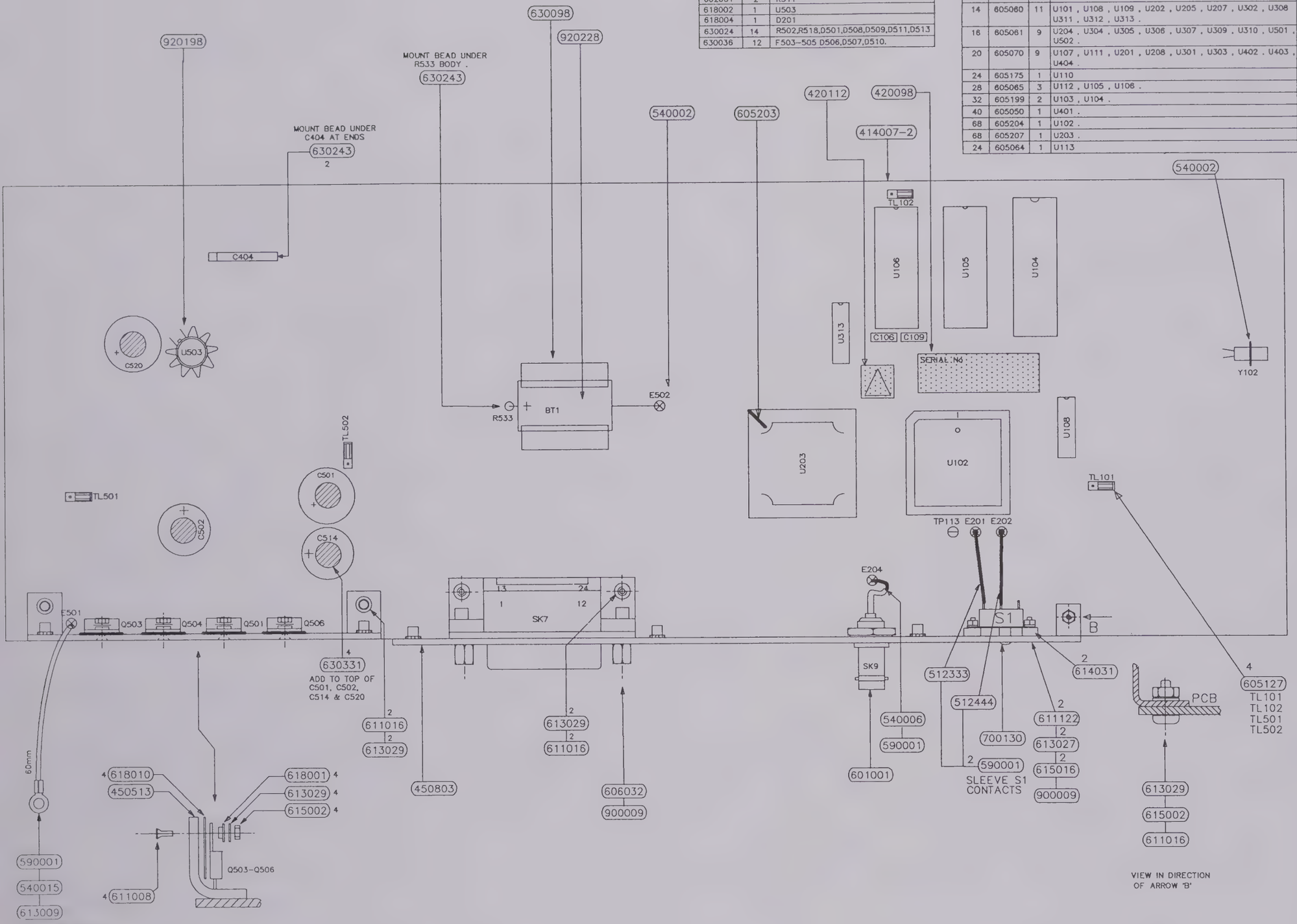
PART No	No OFF	WHERE USED
602001	2	R511
618002	1	U503
618004	1	D201
630024	14	R502,R518,D501,D508,D509,D511,D513
630036	12	F503-505 D506,D507,D510.

MOUNTING I C'S			
No OF PINS	PART No	No OFF	WHERE USED
8	605059	2	U206 , U314
14	605060	11	U101 , U108 , U109 , U202 , U205 , U207 , U302 , U308 U311 , U312 , U313 .
18	605061	9	U204 , U304 , U305 , U306 , U307 , U309 , U310 , U501 , U502 .
20	605070	9	U107 , U111 , U201 , U208 , U301 , U303 , U402 , U403 , U404 .
24	605175	1	U110
28	605065	3	U112 , U105 , U106 .
32	605199	2	U103 , U104 .
40	605050	1	U401 .
68	605204	1	U102 .
68	605207	1	U203 .
24	605064	1	U113



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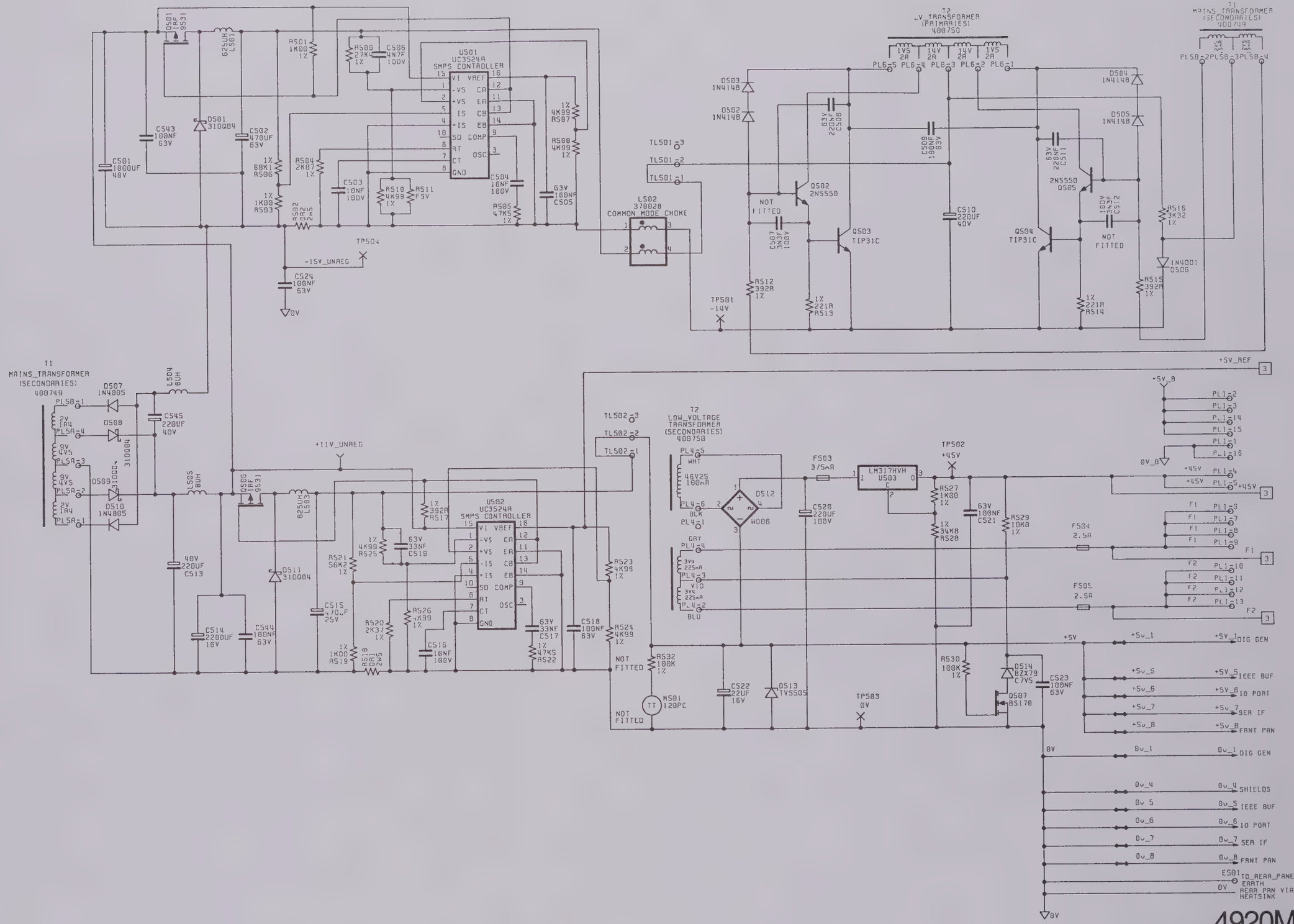
DIGITAL ASSEMBLY

Drawing No. DA400933 Sheet 1of 3

N.B. expanded versions are on Sheets 2 and 3 (page 11.3-1)



DIGITAL ASSEMBLY

Power Supplies

Drawing No. DC400933 **Sheet 5 of 6**

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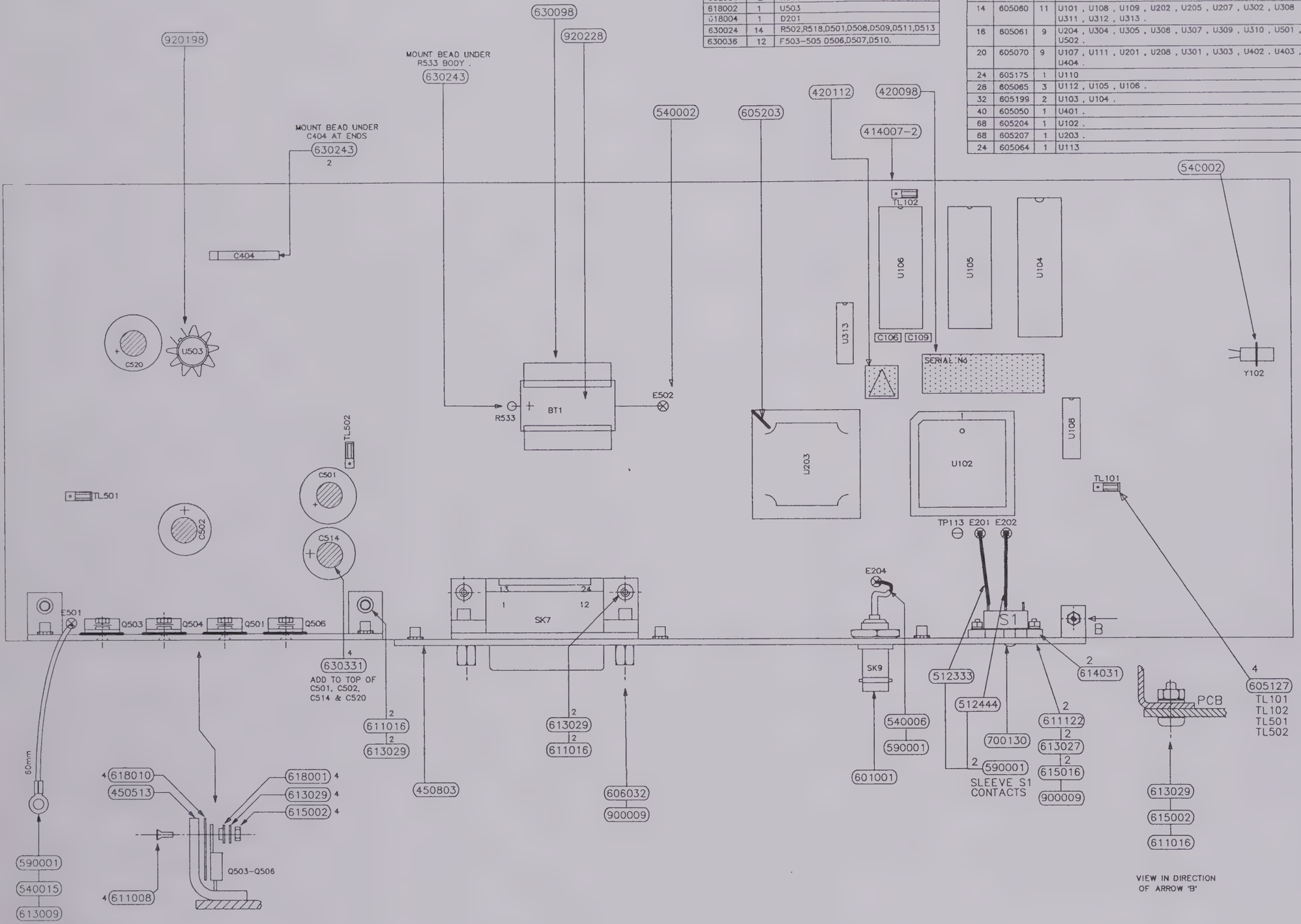
PART No	No OFF	WHERE USED
602001	2	R511
618002	1	U503
618004	1	D201
630024	14	R502,R518,D501,D508,D509,D511,D513
630036	12	F503–505 D506,D507,D510.

MOUNTING I C'S			
No OF PINS	PART No	No OFF	WHERE USED
8	605059	2	U206 , U314
14	605060	11	U101 , U108 , U109 , U202 , U205 , U207 , U302 , U308 U311 , U312 , U313 .
16	605061	9	U204 , U304 , U305 , U306 , U307 , U309 , U310 , U501 , U502 .
20	605070	9	U107 , U111 , U201 , U208 , U301 , U303 , U402 . U403 , U404 .
24	605175	1	U110
28	605065	3	U112 , U105 , U106 .
32	605199	2	U103 , U104 .
40	605050	1	U401 .
68	605204	1	U102 .
68	605207	1	U203 .
24	605064	1	U113



VIEW IN DIRECTION OF ARROW 'B'

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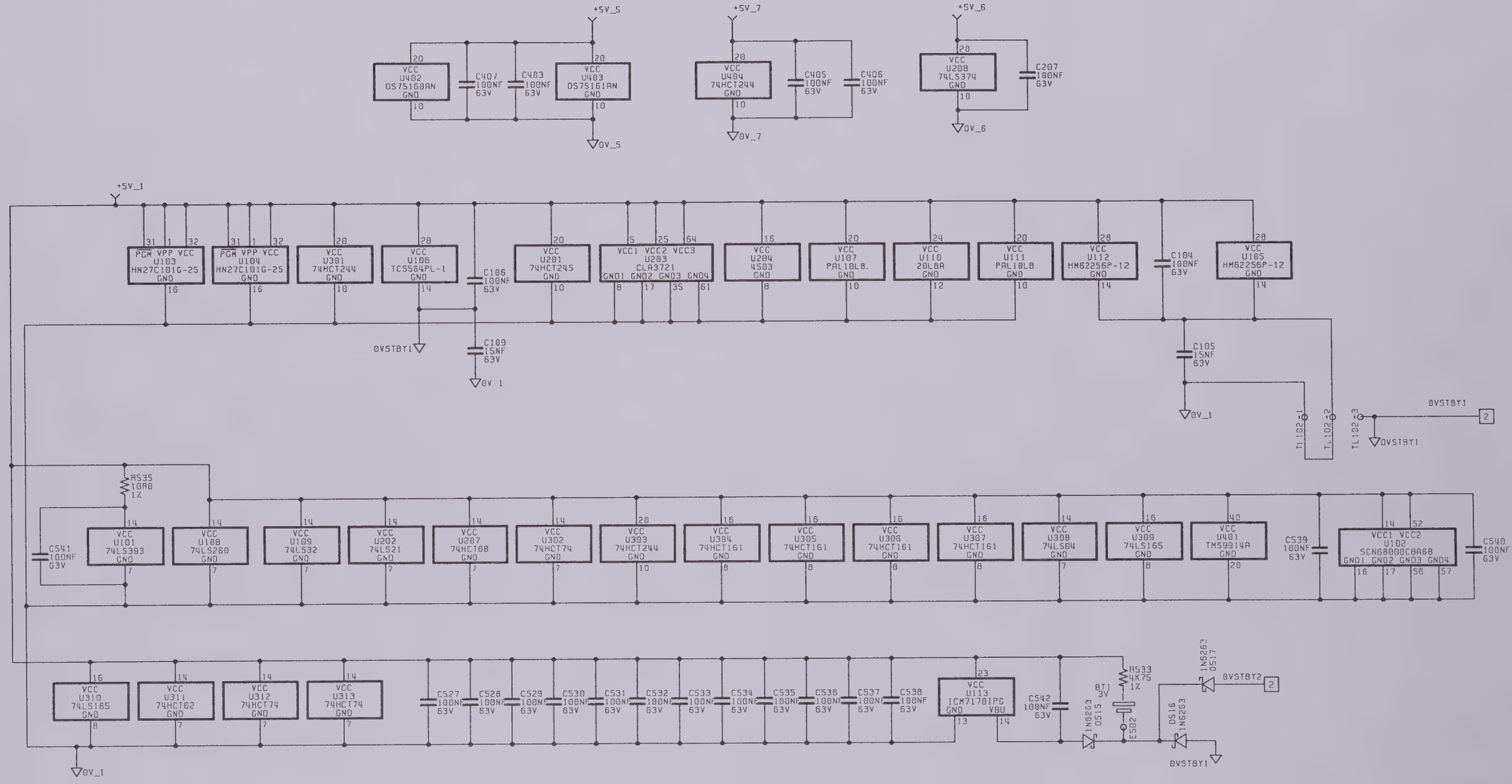
DIGITAL ASSEMBLY

Drawing No. DA400933 Sheet 1of 3

N.B. expanded versions are on Sheets 2 and 3 (page 11.3-1)



4920M

DIGITAL ASSEMBLY

Power Supplies

Drawing No. DC400933 **Sheet 6 of 6**

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DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY DIGITAL 4920M DRG NO: LP400932-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400933-1	ASSY PCB DIGITAL 4920M	DATRON	SEE DRG		EA	1	
	400935-1	ASSY EPROM 4920M	DATRON	SEE DRG		EA	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY PCB DIGITAL 4920M DRG NO: LP400933-1 REV: 1 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R101	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R102	090164	RES NTWK 2K2 X 8 2%	BECKMAN	LO9-1-R2K2	A	EA	3	
R104	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	13	
R105	090177	RES NTWK 3K3 X 8 2%	BECKMAN	LO9-1-R3K3	A	EA	1	
R106	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA		
R107	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R108	016810	RES MF 681R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R109	013741	RES MF 3K74 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R110	012211	RES MF 2K21 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R111	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R201	090164	RES NTWK 2K2 X 8 2%	BECKMAN	LO9-1-R2K2	A	EA	-	
R202	090046	RES NTWK 10K X 7 2%	BECKMAN	LO8-1-R10K	A	EA	1	
R205	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R206	015362	RES MF 53K6 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R207	041004	RES MF 1M00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R208	041004	RES MF 1M00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R209	090163	RES NTWK 10K x 8 2%	BECKMAN	LO9-1-R10K	A	EA	1	
R210	090167	RES PACK 100K X 4 2%	BECKMAN	LO8-3-R100K	A	EA	1	
R211	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R212	00000N	NOT FITTED				EA	10	
R213	013328	RES MF 33R2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R214	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R215	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	5	
R216	041004	RES MF 1M00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R217	019092	RES MF 90K9 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R218	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA		
R219	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R220	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4	
R221	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R222	015361	RES MF 5K36 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R223	018252	RES MF 82K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R224	015361	RES MF 5K36 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R225	048253	RES MF 825K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R226	013923	RES MF 392K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R227	048253	RES MF 825K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R228	013923	RES MF 392K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA		
R229	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R301	090164	RES NTWK 2K2 X 8 2%	BECKMAN	LO9-1-R2K2	A	EA	-	
R302	015110	RES MF 511R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R303	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R304	090165	RES PACK 68R X 4 2%	BECKMAN	LO8-3-R68	A	EA	3	
R305	015110	RES MF 511R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R306	014752	RES MF 47K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R307	012002	RES MF 20K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R308	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA		

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R309	016812	RES MF 68K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R310	014992	RES MF 49K9 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R311	017502	RES MF 75K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R312	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R313	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R314	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R315	016818	RES MF 68R1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R316	012212	RES MF 22K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R317	012212	RES MF 22K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R401	016818	RES MF 68R1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R402	016818	RES MF 68R1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R403	090041	RES NTWK 4K7 X 7 2%	BECKMAN	LO8-1-R4K7	A	EA	1	
R404	090165	RES PACK 68R X 4 2%	BECKMAN	LO8-3-R68	A	EA	-	
R405	090165	RES PACK 68R X 4 2%	BECKMAN	LO8-3-R68	A	EA	-	
R406	016190	RES MF 619R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R407	090162	RES PACK 270R x 4 2%	AB	770-83-270R	A	EA	1	
R408	012740	RES MF 274R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R501	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R502	008039	RES WW 0R20 10% 2.5W	WELWYN	W21-0R20		EA	1	
R503	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R504	012871	RES MF 2K87 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R505	014752	RES MF 47K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R506	016812	RES MF 68K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R507	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	7	
R508	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R509	012742	RES MF 27K4 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R510	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R511	00000F	RES FSV				EA	1	
R512	013920	RES MF 392R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R513	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R514	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R515	013920	RES MF 392R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R516	013321	RES MF 3K32 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R517	013920	RES MF 392R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R518	008023	RES WW 0R1 10% 2.5W	WELWYN	W21-0R1		EA	1	
R519	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R520	012371	RES MF 2K37 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R521	015622	RES MF 56K2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R522	014752	RES MF 47K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R523	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R524	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R525	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R526	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R527	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R528	013482	RES MF 34K8 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R529	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R530	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R532	00000N	NOT FITTED				EA	-	
R533	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R535	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
C101	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	35	
C104	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C105	110015	CAP PE 15NF 20% 63V	WIMA	MKS2		EA	3	
C106	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C107	100150	CAP CP 15PF 2% 100V	PHILIPS	2222 683 10159		EA	2	
C108	100150	CAP CP 15PF 2% 100V	PHILIPS	2222 683 10159		EA	-	
C109	110015	CAP PE 15NF 20% 63V	WIMA	MKS2		EA	-	
C201	110015	CAP PE 15NF 20% 63V	WIMA	MKS2		EA	-	
C203	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C204	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C205	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	2	
C206	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	5	
C207	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C208	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C209	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C210	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C211	150016	CAP DT 1UF 20% 35V	AVX	TAP1R0M35F	A	EA	1	
C212	110050	CAP PE 22NF 10% 63V	WIMA	MKS4		EA	1	
C213	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	-	
C301	100221	CAP CP 220PF 2% 100V	PHILIPS	2222 683 58221		EA	1	
C302	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	-	
C303	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C304	150015	CAP DT 10UF 20% 35V	AVX	TAP10M35F	A	EA	1	
C305	100470	CAP CP 47PF 2% 100V	PHILIPS	2222 683 34479		EA	1	
C401	00000N	NOT FITTED				EA	-	
C402	00000N	NOT FITTED				EA	-	
C403	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C404	104052	CAP NTWK 220PF X 7 10%	MURATA/ERIE	B8XCO117-33N		EA	1	
C405	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C406	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C407	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C501	180047	CAP AE 1000UF 40V	NIPPON CHEMI-CON	SMVB/1000-40		EA	1	
C502	180048	CAP AE 470UF 63V	NIPPON CHEMI-CON	SMVB/470-63		EA	1	
C503	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	3	
C504	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	-	
C505	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C506	120028	CAP PC 4N7F 20% 100V	WIMA	FKC2		EA	1	
C507	100332	CAP CP 3N3F 10% 100V	PHILIPS	2222 630 19332		EA	2	
C508	110035	CAP PE 220NF 20% 63V	WIMA	MKS2		EA	2	
C509	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C510	180044	CAP AE 220UF 40V	STEATITE	EKMOODE 322G		EA	3	
C511	110035	CAP PE 220NF 20% 63V	WIMA	MKS2		EA	-	
C512	100332	CAP CP 3N3F 10% 100V	PHILIPS	2222 630 19332		EA	-	
C513	180044	CAP AE 220UF 40V	STEATITE	EKMOODE 322G		EA	-	
C514	180062	CAP AE 2200UF 16V	STEATITE	EKMOOJG422D		EA	1	
C515	180043	CAP AE 470UF 25V	STEATITE	EKMOOF3 347E		EA	1	
C516	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	-	
C517	110040	CAP PE 33NF 20% 63V	WIMA	MKS2		EA	2	
C518	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C519	110040	CAP PE 33NF 20% 63V	WIMA	MKS2		EA		
C520	180068	CAP AE 220UF 100V	NIPPON CHEMI-CON	SMVB/220-100-20	A	EA	1	
C521	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C522	150001	CAP DT 22UF 20% 16V	AVX	TAP22M16F	A	EA	1	
C523	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C524	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C527	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C528	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C529	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C530	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C531	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C532	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C533	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C534	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C535	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C536	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C537	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C538	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C539	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C540	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C541	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C542	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C543	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA		
C544	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C545	180044	CAP AE 220UF 40V	STEATITE	EKMOODE 322G		EA	-	
D103	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	10	
D104	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA		
D105	220010	DIODE SB	H.P.	1N5711/1N6263	A	EA	4	
D201	214012	DIODE ZN 2V45 20PPM	FERRANTI	ZN458		EA	1	
D202	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
D203	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
D204	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA		
D301	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
D401	400695-1	ASSY COM CATHODE DIODE	DATRON	SEE DRG		EA	1	
D402	400696-1	ASSY COM ANODE DIODE	DATRON	SEE DRG		EA	1	
D501	200027	DIODE SB 3A 40V	INT RECTIFIER	31DQ04		EA	4	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D502	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA		
D503	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
D504	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
D505	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
D506	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	1	
D507	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	2	
D508	200027	DIODE SB 3A 40V	INT RECTIFIER	31DQ04		EA	-	
D509	200027	DIODE SB 3A 40V	INT RECTIFIER	31DQ04		EA	-	
D510	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	-	
D511	200027	DIODE SB 3A 40V	INT RECTIFIER	31DQ04		EA	-	
D512	209013	DIODE BR 1A5 600V	MICRO-ELECTRONICS	WO06		EA	1	
D513	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	1	
D514	210075	DIODE ZN 7V5 400mW	PHILIPS	BZX79C7V5	A	EA	1	
D515	220010	DIODE SB	H.P.	1N5711/1N6263	A	EA	-	
D516	220010	DIODE SB	H.P.	1N5711/1N6263	A	EA	-	
D517	220010	DIODE SB	H.P.	1N5711/1N6263	A	EA	-	
Q101	240013	TRAN NPN TO18	MOTOROLA	BC184C		EA	3	
Q102	240013	TRAN NPN TO18	MOTOROLA	BC184C		EA	-	
Q103	250008	TRAN PNP TO18	MOTOROLA	BC214C		EA	3	
Q104	240013	TRAN NPN TO18	MOTOROLA	BC184C		EA	-	
Q201	00000N	NOT FITTED				EA		
Q202	250008	TRAN PNP TO18	MOTOROLA	BC214C		EA	-	
Q203	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	1	
Q301	230C81	TRAN MOSFET N-CHAN	FERRANTI	ZVN0106A	A	EA	1	
Q302	250008	TRAN PNP TO18	MOTOROLA	BC214C		EA		
Q501	230085	TRAN MOSFET P-CHAN 60V	SILICONIX	IRF9531	A	EA	2	
Q502	240009	TRAN NPN TO18	MOTOROLA	MPSL01/2N5550		EA	2	
Q503	240034	TRAN NPN	MOTOROLA	TIP31C		EA	2	
Q504	240034	TRAN NPN	MOTOROLA	TIP31C		EA	-	
Q505	240009	TRAN NPN TO18	MOTOROLA	MPSL01/2N5550		EA	-	
Q506	230085	TRAN MOSFET P-CHAN 60V	SILICONIX	IRF9531	A	EA	-	
Q507	230078	TRAN MOSFET N CHAN	SILICONIX	BS170		EA	1	
M501	00000N	NOT FITTED				EA	-	
U101	270103	IC DIG COUNT4 ASYNC BIN X2	PHILIPS	74LS393		EA	1	
U102	280191	IC DIG PROCESSOR 16 BIT 8MHZ	PHILIPS	SCN68000CBA68	A	EA	1	
U103	00000N	NOT FITTED				EA	-	
U104	00000N	NOT FITTED				EA		
U105	280174	IC DIG RAM STAT 32KX8 120NS	HITACHI	HM62256P-12	A	EA	2	
U106	280162	IC DIG RAM STAT 8KX8 LP 150NS	TOSHIBA	TC5564PL-1	A	EA	1	
U107	400902-1	ASSY PAL 1281 10L8 CONTROL	DATRON	SEE DRG		EA	1	
U108	270105	IC DIG NOR5 X2	PHILIPS	74LS260N		EA	1	
U109	270080	IC DIG OR2 X4	NATIONAL	DM74LS32N		EA	1	
U110	400903-1	ASSY PAL 1281 20L8 ADDR DECODE	DATRON	SEE DRG		EA	1	
U111	400904-1	ASSY PAL 1281 10L8 IO DECODE	DATRON	SEE DRG		EA	1	
U112	280174	IC DIG RAM STAT 32KX8 120NS	HITACHI	HM62256P-12	A	EA	-	

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
U113	280194	IC DIG CLOCK CALENDAR	INTERSIL	ICM7170IPG		EA	1	
U201	280134	IC DIG TRNCVR8 3S	PHILIPS	PC74HCT245P		EA	1	
U202	270051	IC DIG AND4 X2	NATIONAL	DM74LS21N		EA	1	
U203	280130	IC DIG GATE ARRAY DIG	PLESSEY	CLA3721		EA	1	
U204	280024	IC DIG BUFF6 3S	MOTOROLA	MC14503BCP		EA	1	
U205	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N		EA	2	
U206	260091	IC LIN COMP QUAD	NATIONAL	LM339N		EA	1	
U207	280159	IC DIG AND2 X4	TEXAS	SN74HCT08N		EA	1	
U208	270068	IC DIG FLIP FLOP8 D 3S	NATIONAL	DM74LS374N		EA	1	
U301	280137	IC DIG BUFF4 3S X2	PHILIPS	PC74HCT244P		EA	3	
U302	280160	IC DIG FLIP FLOP D X2	TEXAS	SN74HCT74N		EA	3	
U303	280137	IC DIG BUFF4 3S X2	PHILIPS	PC74HCT244P		EA	-	
U304	280161	IC DIG COUNT4 SYNC BIN PL	TEXAS	SN74HCT161N		EA	4	
U305	280161	IC DIG COUNT4 SYNC BIN PL	TEXAS	SN74HCT161N		EA	-	
U306	280161	IC DIG COUNT4 SYNC BIN PL	TEXAS	SN74HCT161N		EA	-	
U307	280161	IC DIG COUNT4 SYNC BIN PL	TEXAS	SN74HCT161N		EA	-	
U308	270050	IC DIG INV X6	NATIONAL	DM74LS04N		EA	1	
U309	270088	IC DIG SHIFTR8 PL	NATIONAL	DM74LS165N		EA	2	
U310	270088	IC DIG SHIFTR8 PL	NATIONAL	DM74LS165N		EA	-	
U311	280170	IC DIG NOR2 X4	TEXAS	SN74HCT02N		EA	1	
U312	280160	IC DIG FLIP FLOP D X2	TEXAS	SN74HCT74N		EA	-	
U313	280160	IC DIG FLIP FLOP D X2	TEXAS	SN74HCT74N		EA	-	
U314	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N		EA	-	
U401	280158	IC DIG CONTROLLER GPIB	TEXAS	TMS9914ANL		EA	1	
U402	270100	IC DIG BUFF8 GPIB DATA	NATIONAL	DS75160AN		EA	1	
U403	270101	IC DIG BUFF8 GPIB CNTRL	NATIONAL	DS75161AN		EA	1	
U404	280137	IC DIG BUFF4 3S X2	PHILIPS	PC74HCT244P		EA	-	
U501	260101	IC LIN SW MODE PSU	SGS	UC3524A	A	EA	2	
U502	260101	IC LIN SW MODE PSU	SGS	UC3524A	A	EA	-	
U503	260102	IC LIN REG VAR	NATIONAL	LM317HVH		EA	1	
PL1	604076	PLUG PCB 16-WAY .1"X.1" GRID	3M	3599-6002UN		EA	3	
PL2	604076	PLUG PCB 16-WAY .1"X.1" GRID	3M	3599-6002UN		EA	-	
PL3	604076	PLUG PCB 16-WAY .1"X.1" GRID	3M	3599-6002UN		EA	-	
PL4	604079	PLUG PCB 6-WAY .156" HEADER	MOLEX	09-72-2061		EA	1	
PL6	604078	PLUG PCB 5-WAY .156 HEADER	MOLEX	09-72-2051		EA	1	
L501	370029-1	CHOKE 625UH RM10		SEE DRG		EA	2	
L502	370028-1	CHOKE INDUCTOR 2 X 50mH	DATRON	SEE DRG		EA	1	
L503	370029-1	CHOKE 625UH RM10		SEE DRG		EA	-	
L504	370014	CHOKE RF 8UH 3A	ERO	F1756-008-301		EA	2	
L505	370014	CHOKE RF 8UH 3A	ERO	F1756-008-301		EA	-	
PL5A	604042	PLUG PCB 4-WAY .156" GD PL	MOLEX	09-72-2041		EA	2	
PL5B	604042	PLUG PCB 4-WAY .156" GD PL	MOLEX	09-72-2041		EA	-	
SK7	605180	SOCKET PCB 24-WAY IEEE SCR	AMP	553811-2		EA	1	
SK8	00000N	NOT FITTED				EA	-	
E201	620006	SOLDER TURRET	HARWIN	H9001-01		EA	5	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
E202	620006	SOLDER TURRET	HARWIN	H9001-01		EA	-	
E203	00000N	NOT FITTED				EA	-	
E204	620006	SOLDER TURRET	HARWIN	H9001-01		EA	-	
E501	620006	SOLDER TURRET	HARWIN	H9001-01		EA	-	
E502	620006	SOLDER TURRET	HARWIN	H9001-01		EA	-	
TL101	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	6	
TL102	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA		
TL204	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	-	
TL205	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	-	
TL501	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	-	
TL502	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	-	
TP101	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	20	
TP102	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP103	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP104	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA		
TP107	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP108	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP109	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP110	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP111	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP113	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP201	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP301	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP302	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA		
TP303	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP304	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP305	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP501	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP502	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP503	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP504	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
Y101	800035	CRYSTAL OSC 16MHz	IQD	IQXO-100-16MHz		EA	1	
Y102	800024	CRYSTAL 32.768KHz	IQD	A103A		EA	1	
F503	920124	FUSE 375MA 125V 7MM	LITTLEFUSE	275.375		EA	1	
F504	920125	FUSE 2.5 125V 7mm	LITTLEFUSE	275 02.5		EA	2	
F505	920125	FUSE 2.5 125V 7mm	LITTLEFUSE	275 02.5		EA	-	
	414007-2	PCB DIGITAL 4920M		SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No.	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A	EA	1	
	450513-1	HEATSINK DIG 1281		SEE DRG		EA	1	
	450803-1	BRACKET DIG PCB MOUNT 4920M		SEE DRG		EA	1	
	512333	WIRE 7/.2 PTFE 1KV ORG	BSG210	TYPE C		AR	1	
	512444	WIRE 7/.2 PTFE 1KV YLW	BSG210	TYPE C		AR	1	
	540002	WIRE 1/.7 TINNED COPPER	BS4109	22SWG		AR	1	
	540006	WIRE 1/.4 PTFE 250V BLK	BSG210	TYPE A		AR	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	540015	WIRE 19/0.2 PTFE 500V GRN/YLW				AR	1	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK		EA	4	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10		AR	1	
	601001	SOCKET BULKHEAD BNC 50 OHMS	GREENPAR	GE350275		EA	1	
	602001	TERMINAL FSV	MIL-MAX	1065015013002102	A	EA	2	
	605050	SOCKET PCB 40-WAY DIL	JERMYN	J23-18040	A	EA	1	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	2	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	11	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	9	
	605064	SOCKET PCB 24-WAY DIL	JERMYN	J23-18024	A	EA	1	
	605065	SOCKET PCB 28-WAY DIL	JERMYN	J23-18028	A	EA	3	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A	EA	9	
	605127	SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G		EA	4	
	605175	SOCKET PCB 24-WAY DIL 0.3P	HARWIN	D2924		EA	1	
	605199	SOCKET PCB 32-WAY DIL 0.6P	HARWIN	D2832-01		EA	2	
	605203	RETAINING CLIP LCC68	SOCAPEX	49MV068E25A1		EA	1	
	605204	SOCKET PCB 68-WAY JLCC	BURNDY	QILE68P-41OT		EA	1	
	605207	SOCKET PCB 68-WAY LCC	SOCAPEX	49MS068CY6A		EA	1	
	606032	MTG KIT IEEE SCR SOCKET	AMP	554808-1		EA	1	
	611008	SCREW M3 X 10 POZICSK SZP				EA	4	
	611016	SCREW M3 X 8 POZIPAN SZP				EA	5	
	611122	SCREW M2 X 8 SLOT CSK SZP				EA	2	
	613009	SOLDER TAG 4 BA BTP				EA	1	
	613014	WASHER M2.5 INT. SHAKP.				EA	2	
	613027	WASHER M2 INT. SHAKP.				EA	2	
	613029	WASHER M3 WAVY SS				EA	9	
	614031	SPACER M2 CLEAR X 3.18 NYLON	PLASTIC SCREWS LTD	048-4750		EA	2	
	615002	NUT FULL M3 SZP				EA	5	
	615016	NUT FULL M2 SZP				EA	2	
	618001	BUSH INSUL. TO220	PHILIPS	56359C		EA	4	
	618002	PAD MNTG. TO18,TO5	JERMYN	TO518-004D		EA	1	
	618004	PAD MNTG. TO18	JERMYN	TO18-008D		EA	1	
	618010	PAD INSUL. SIL TO220	WARTH	4177-NA-54		EA	4	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2		EA	18	
	630036	BEAD CERAMIC 18 SWG	PARK ROYAL PORCELAIN	No1		EA	6	
	630098	CLIP COMPONENT 12.7 DIA	RICHCO	KKU-8		EA	1	
	630243	BEAD GLASS 2.4 X 0.81 X 1.8	MANSOL (PREFORMS) LT	M5363B/3		EA	3	
	630331	PAD 9/16 SOLDER MASK	W.H.BRADY	CMC5625		EA	5	
	700130	SWITCH SPCO SLIDE	C&K	1101-M1-Z-G-E		EA	1	
	900009	LOCKING COMPOUND	LOCTITE	222		AR	1	
	920198	HEATSINK TO5	FARNELL	170-066		EA	1	
	920228	BATTERY LiMnO2 2/3AA 3V 1.1AH	FUJI	CR2/36L-F1ST2S		EA	1	

End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	280177	IC DIG EPROM 128KX8 250NS	AMD	AM27C010-255DC	A	EA	2	
	420079-1	LABEL EPROM		SEE DRG		EA	2	

End

11-3.16

DATRON INSTRUMENTS LTD PARTS LIS 11-Jun-90 DESC: ASSY COM CATHODE DIODE DRG NO: LP400695-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	219023	DIODE NTWK CC 75mA X 8 75V	AYLESBURY POLYMER PR	1-CC-8-1N4148		EA	1	
	900030	PAINT CELLULOSE RED				AR	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY COM ANODE DIODE DRG NO: LP400696-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	219024	DIODE NTWK CA 75mA X 8 75V	AYLESBURY POLYMER PR	1-CA-8-1N4148		EA	1	
	900031	PAINT CELLULOSE BLUE				AR	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY PAL 1281 10L8 CONTROL DRG NO: LP400902-1 REV: 0 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	270102	IC DIG FPLD 10L8	NATIONAL	DMPAL10L8NC		EA	1	
	420100-1	LABEL PAL		SEE DRG		EA	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY PAL 1281 20L8 ADDR DECODE DRG NO: LP400903-1 REV: 0 PAGE NO: 1

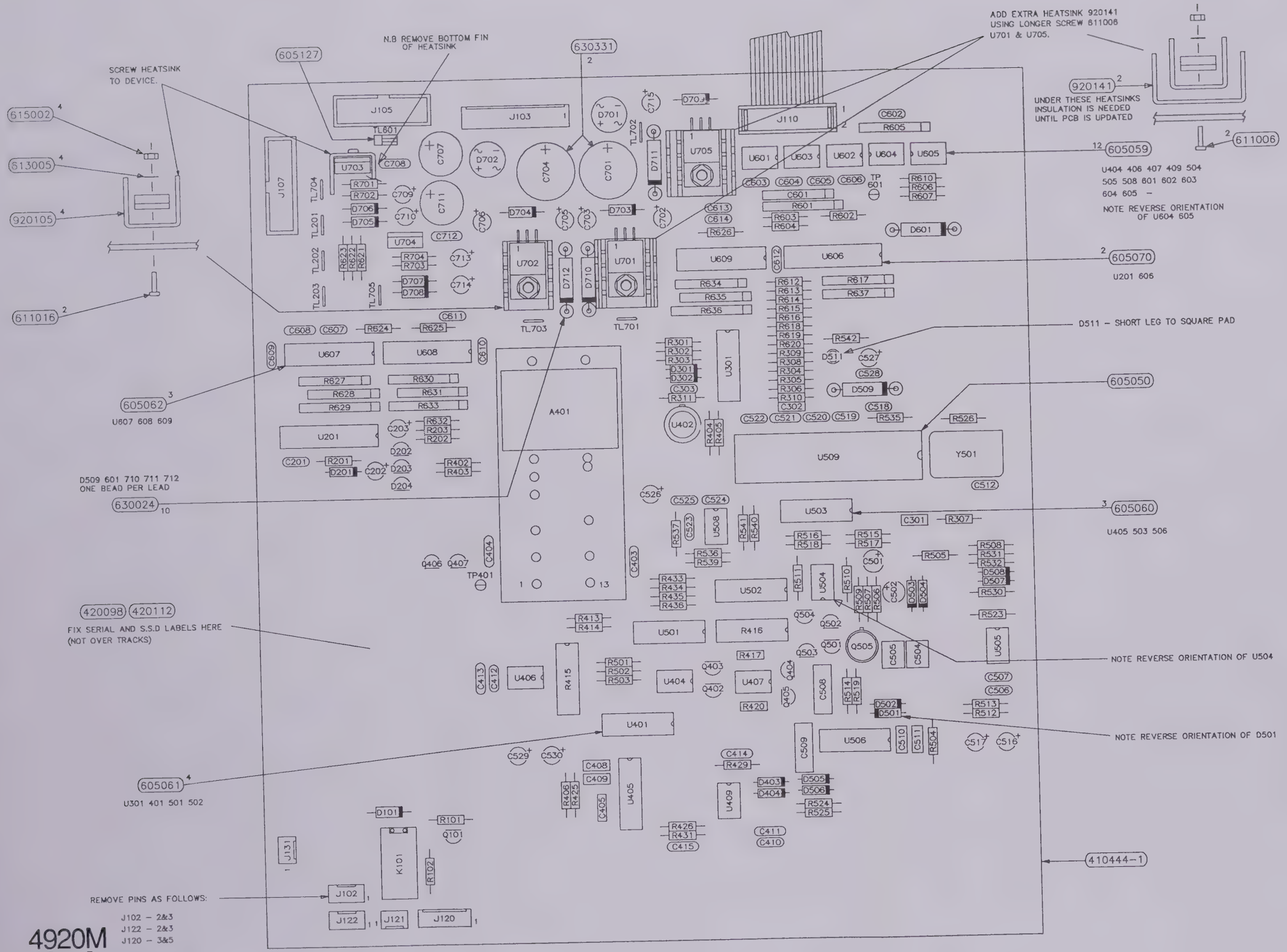
DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	270108	IC DIG FPLD 20L8A	MMI AMD	PAL20L8ANC		EA	1	
	420100-1	LABEL PAL		SEE DRG		EA	1	

End

11-3.11

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	270102	IC DIG FPLD 10L8	NATIONAL	DMPAL10L8NC		EA	1	
	420100-1	LABEL PAL		SEE DRG		EA	1	

End



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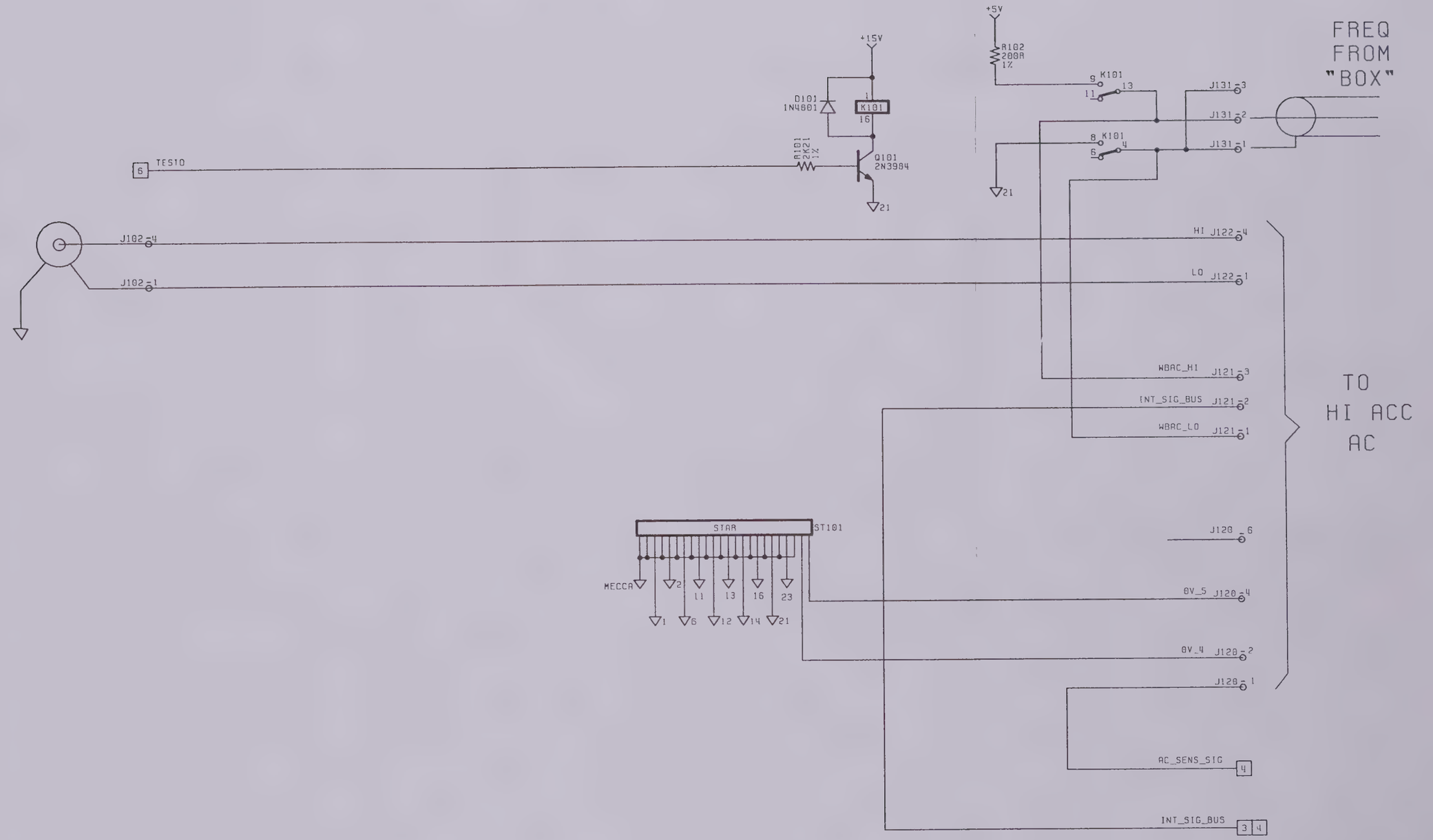
A-D ASSEMBLY

Drawing No. DA400936 Sheet 1



A-D ASSEMBLY

Signal Interconnections

Drawing No. DC400936 **Sheet 1 of 7**

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SCREW HEATSINK TO DEVICE.

615002 4

613005 4

920105 4

611016 2

605127

N.B REMOVE BOTTOM FIN OF HEATSINK

630331 2

ADD EXTRA HEATSINK 920141 USING LONGER SCREW 611006 U701 & U705.

920141 2

UNDER THESE HEATSINKS INSULATION IS NEEDED UNTIL PCB IS UPDATED

2 611006

12 605059

U404 406 407 409 504 505 508 601 602 603 604 605 –

NOTE REVERSE ORIENTATION OF U604 605

2 605070

U201 606

D511 – SHORT LEG TO SQUARE PAD

605050

3 605060

U405 503 506

NOTE REVERSE ORIENTATION OF U504

NOTE REVERSE ORIENTATION OF D501

605062 3

U607 608 609

D509 601 710 711 712 ONE BEAD PER LEAD

630024 10

420098 420112

FIX SERIAL AND S.S.D LABELS HERE (NOT OVER TRACKS)

605061 4

U301 401 501 502

410444-1

REMOVE PINS AS FOLLOWS:

J102 – 2&3
J122 – 2&3
J120 – 3&5

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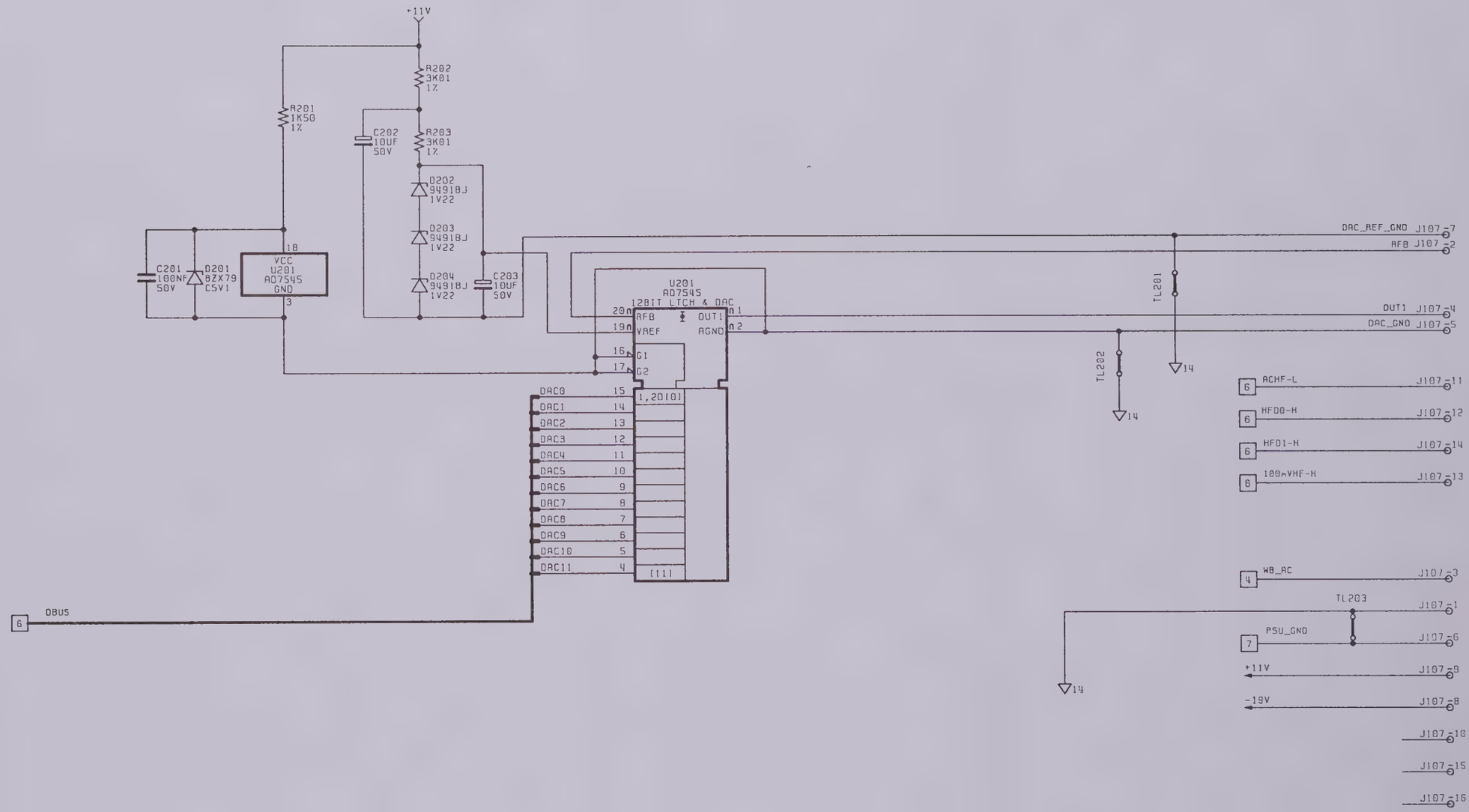
A-D ASSEMBLY

Drawing No. DA400936 Sheet 1



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WB Characterization

Drawing No. DC400936 **Sheet 2 of 7**

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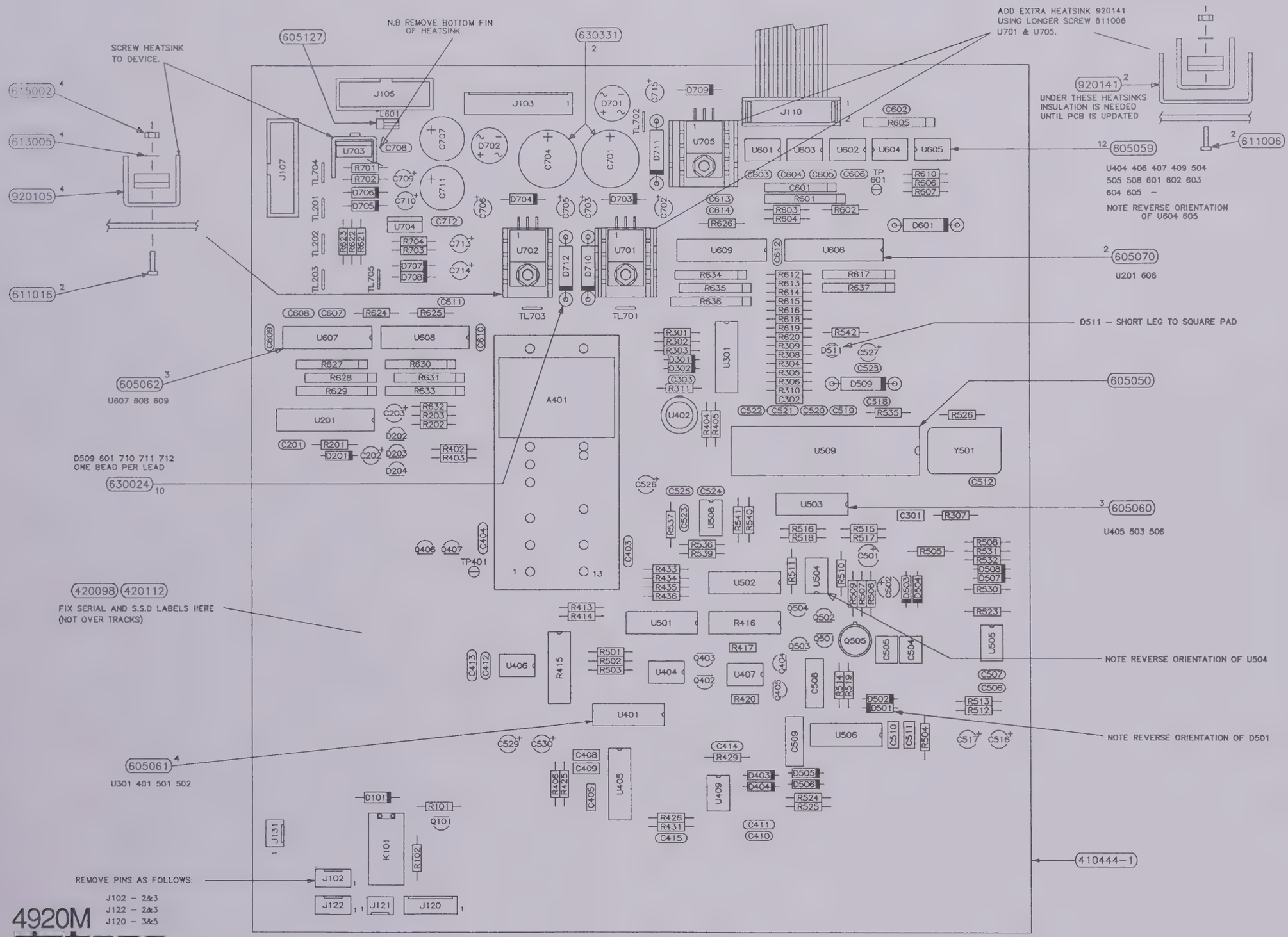

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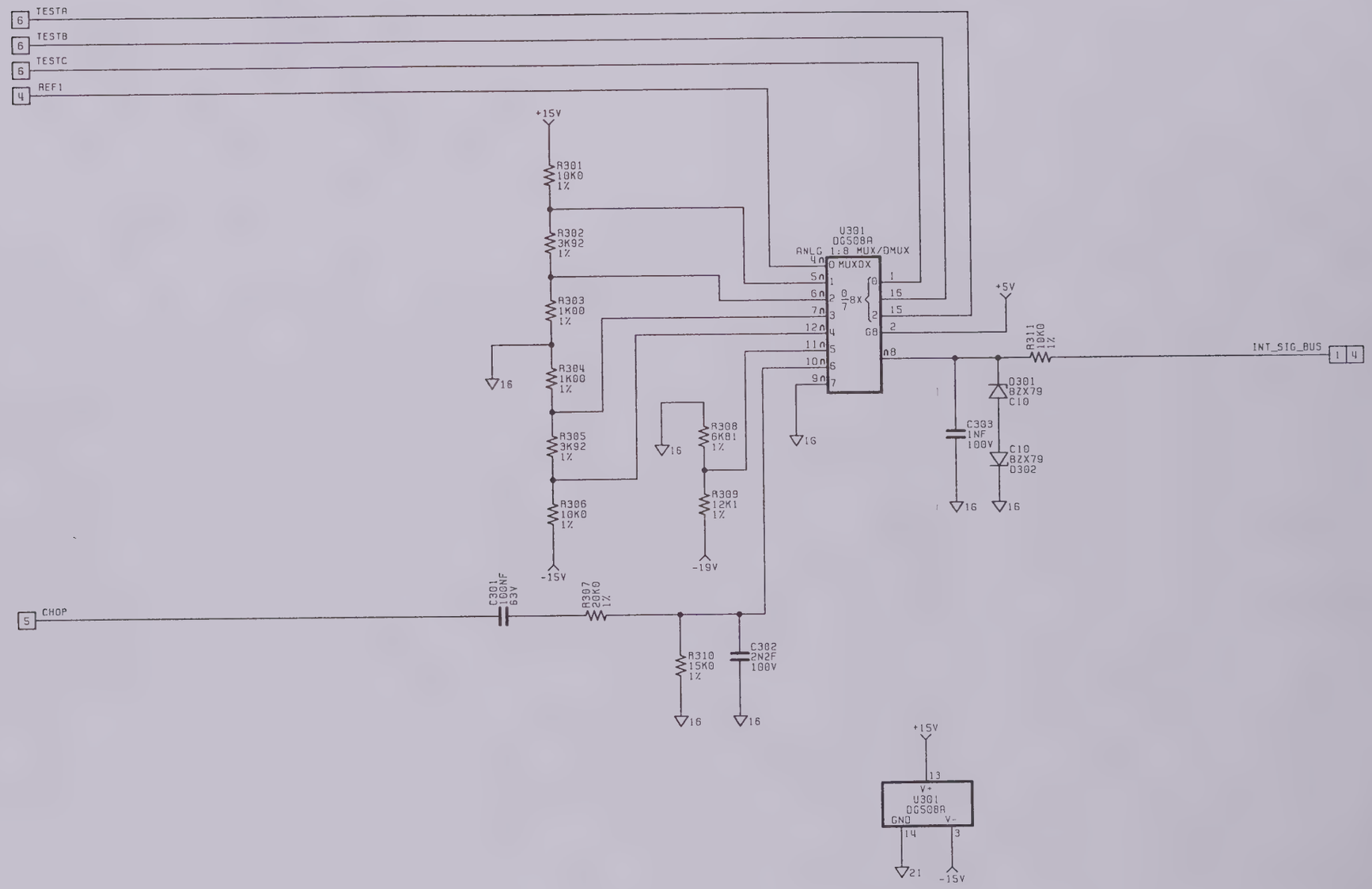
Drawing No. DA400936 Sheet 1



A-D ASSEMBLY

Test

Drawing No. DC400936 **Sheet 3 of 7**

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SCREW HEATSINK TO DEVICE.

615002 4

613005 4

920105 4

611016 2

605062 3
U607 608 609

N.B REMOVE BOTTOM FIN OF HEATSINK

605127

630331 2

ADD EXTRA HEATSINK 920141 USING LONGER SCREW 811006 U701 & U705.

920141 2

UNDER THESE HEATSINKS INSULATION IS NEEDED UNTIL PCB IS UPDATED

611006 2

605059 12
U404 406 407 409 504 505 508 601 602 603 604 605 –

NOTE REVERSE ORIENTATION OF U604 605

605070 2
U201 606

D511 – SHORT LEG TO SQUARE PAD

605050

605060 3
U405 503 506

NOTE REVERSE ORIENTATION OF U504

NOTE REVERSE ORIENTATION OF D501

605061 4
U301 401 501 502

D509 601 710 711 712 ONE BEAD PER LEAD

630024 10

420098 420112
FIX SERIAL AND S.S.D LABELS HERE (NOT OVER TRACKS)

410444-1

REMOVE PINS AS FOLLOWS:
J102 – 2&3
J122 – 2&3
J120 – 3&5

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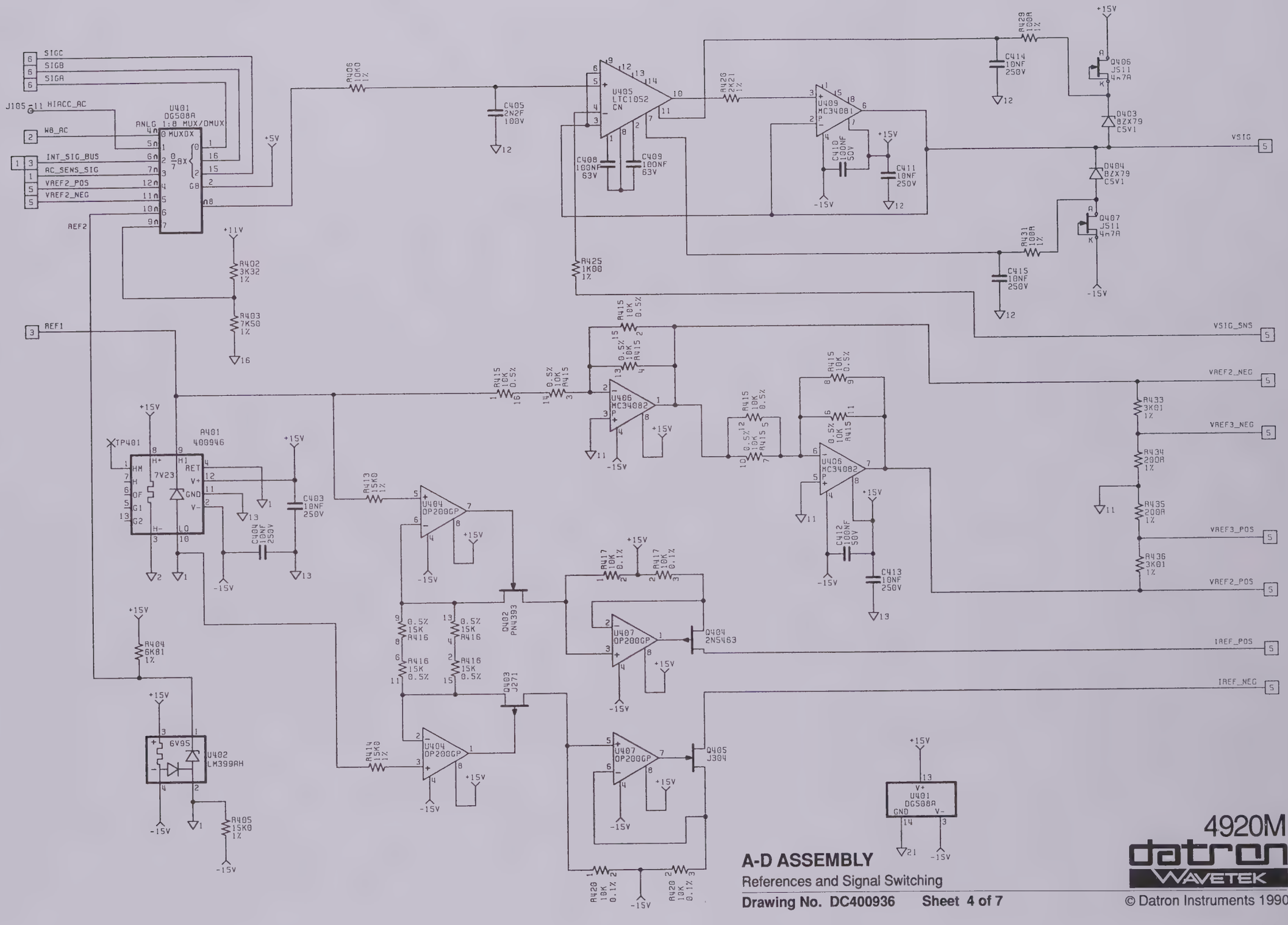
A-D ASSEMBLY

Drawing No. DA400936 Sheet 1



A-D ASSEMBLY

References and Signal Switching

Drawing No. DC400936 **Sheet 4 of 7**

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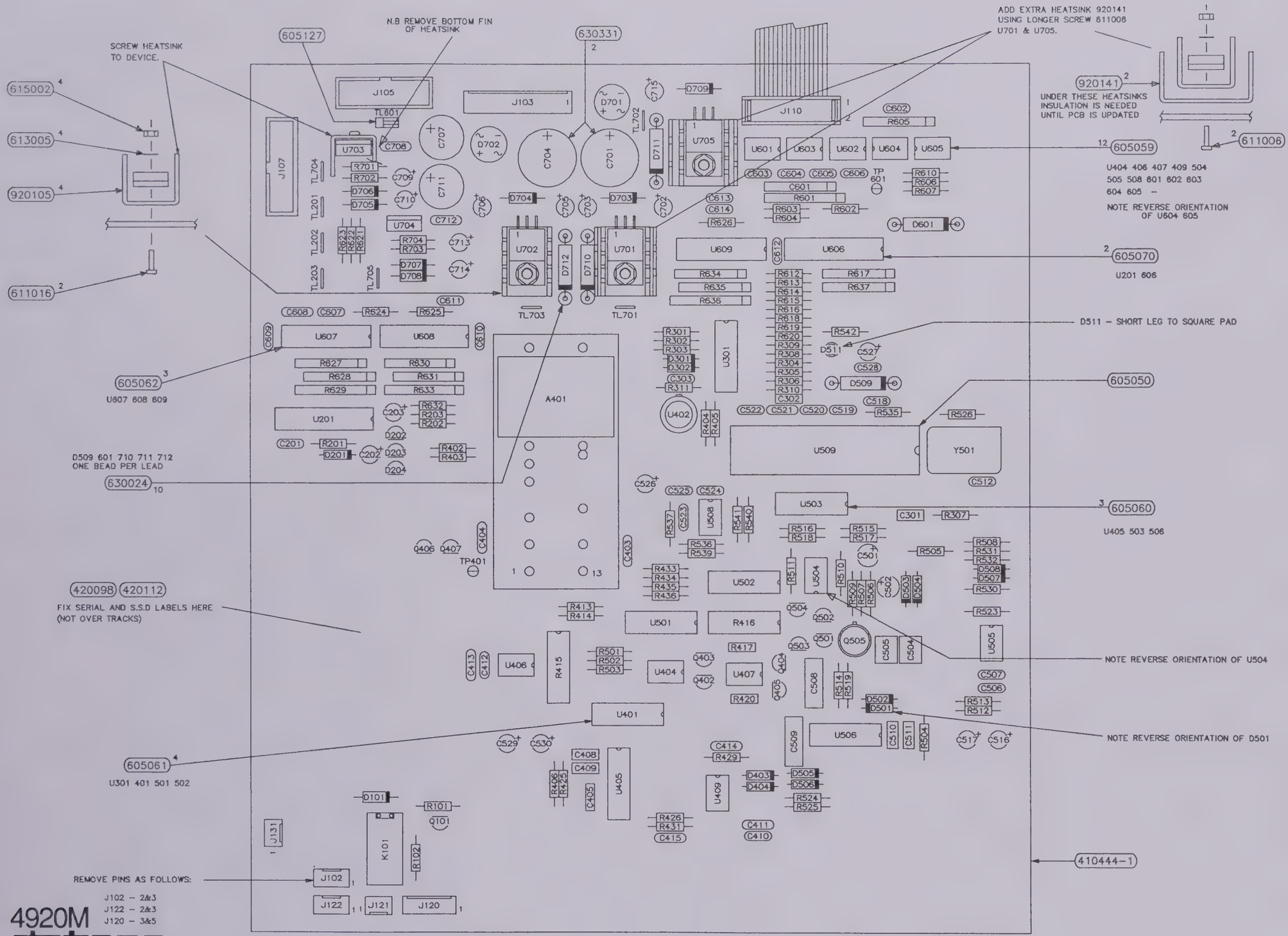

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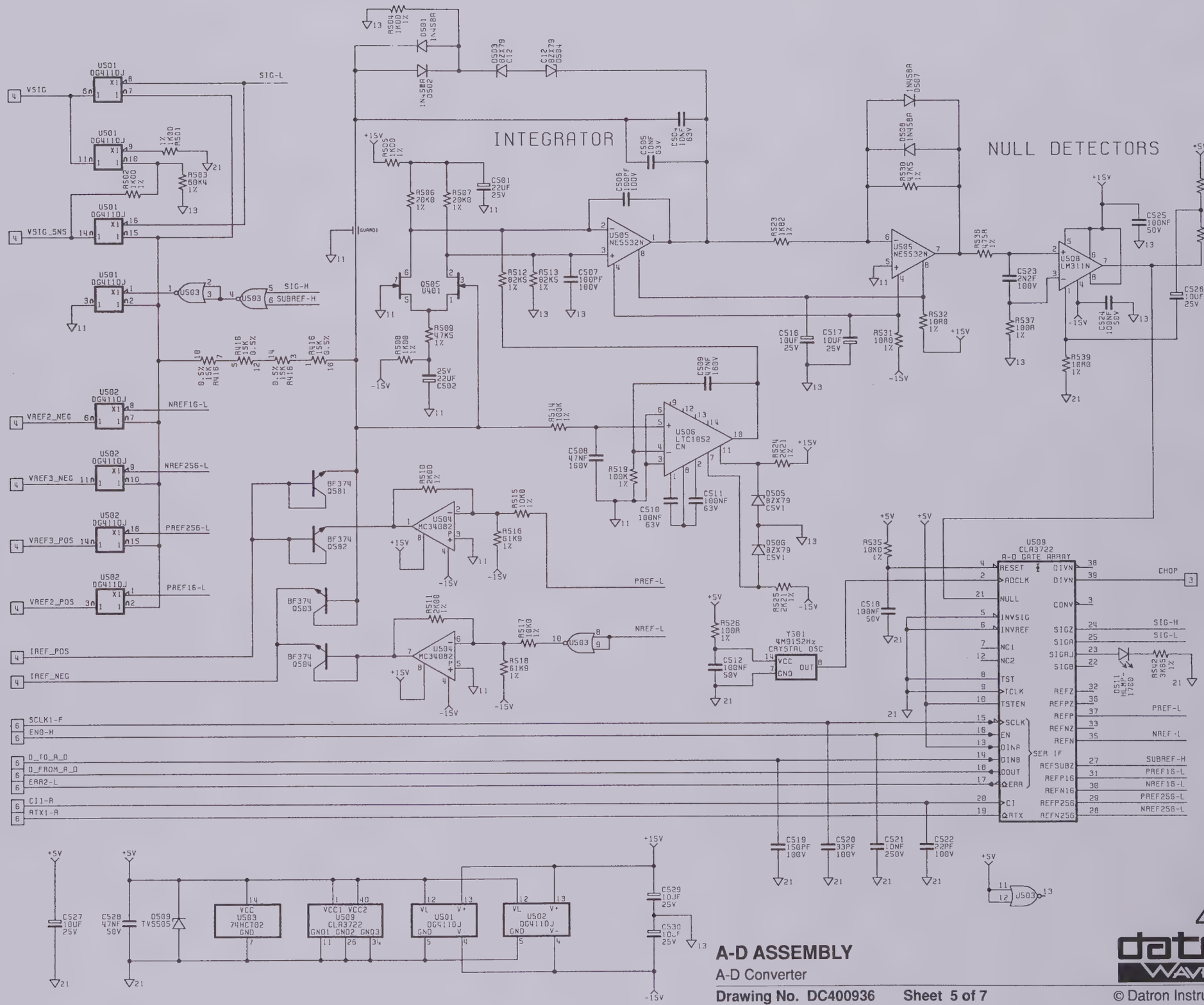
Drawing No. DA400936 Sheet 1


INTEGRATOR
NULL DETECTORS
A-D ASSEMBLY
A-D Converter
Drawing No. DC400936 Sheet 5 of 7
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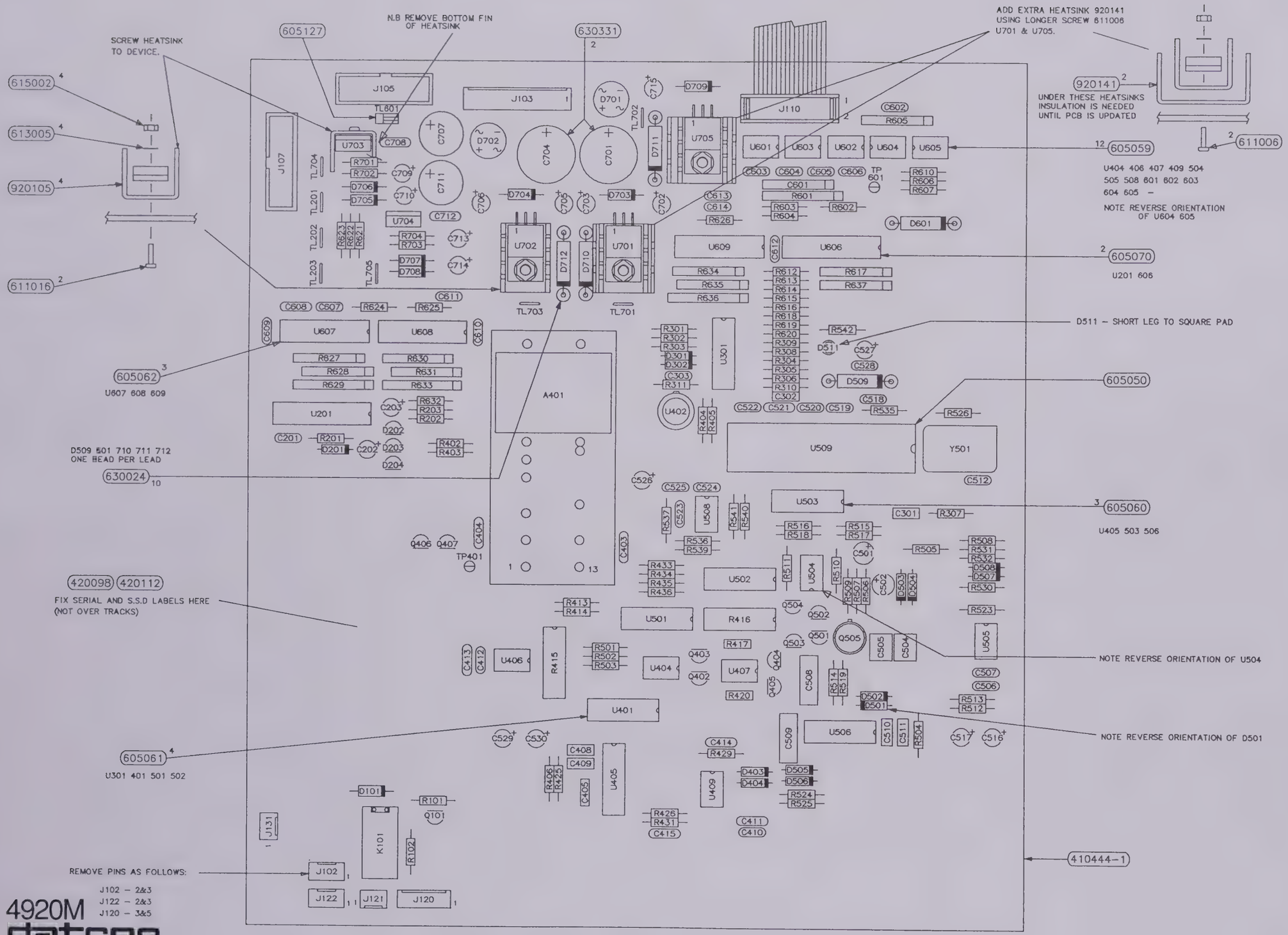

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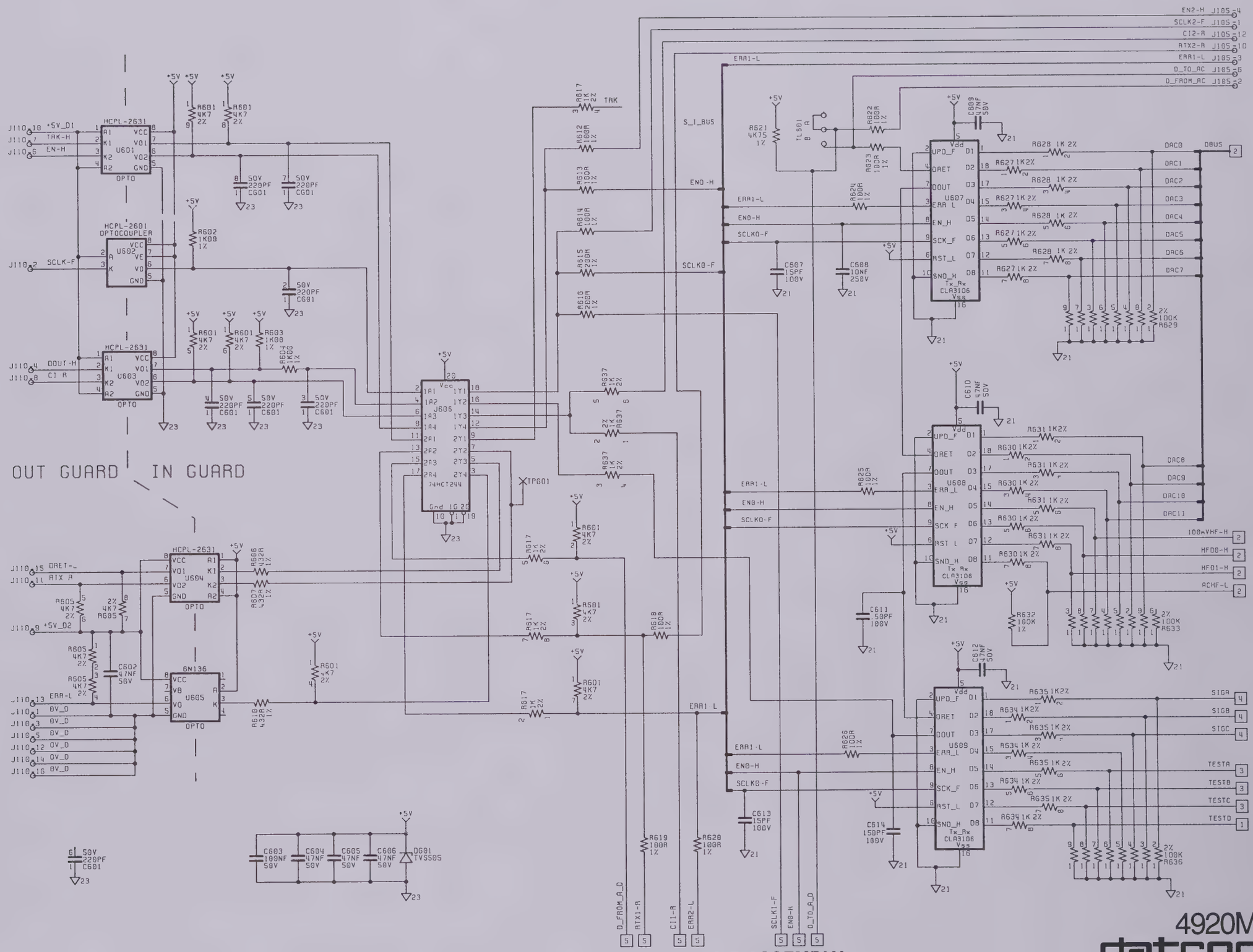
A-D ASSEMBLY

Drawing No. DA400936 Sheet 1



A-D ASSEMBLY

Serial Interface

Drawing No. DC400936 **Sheet 6 of 7**

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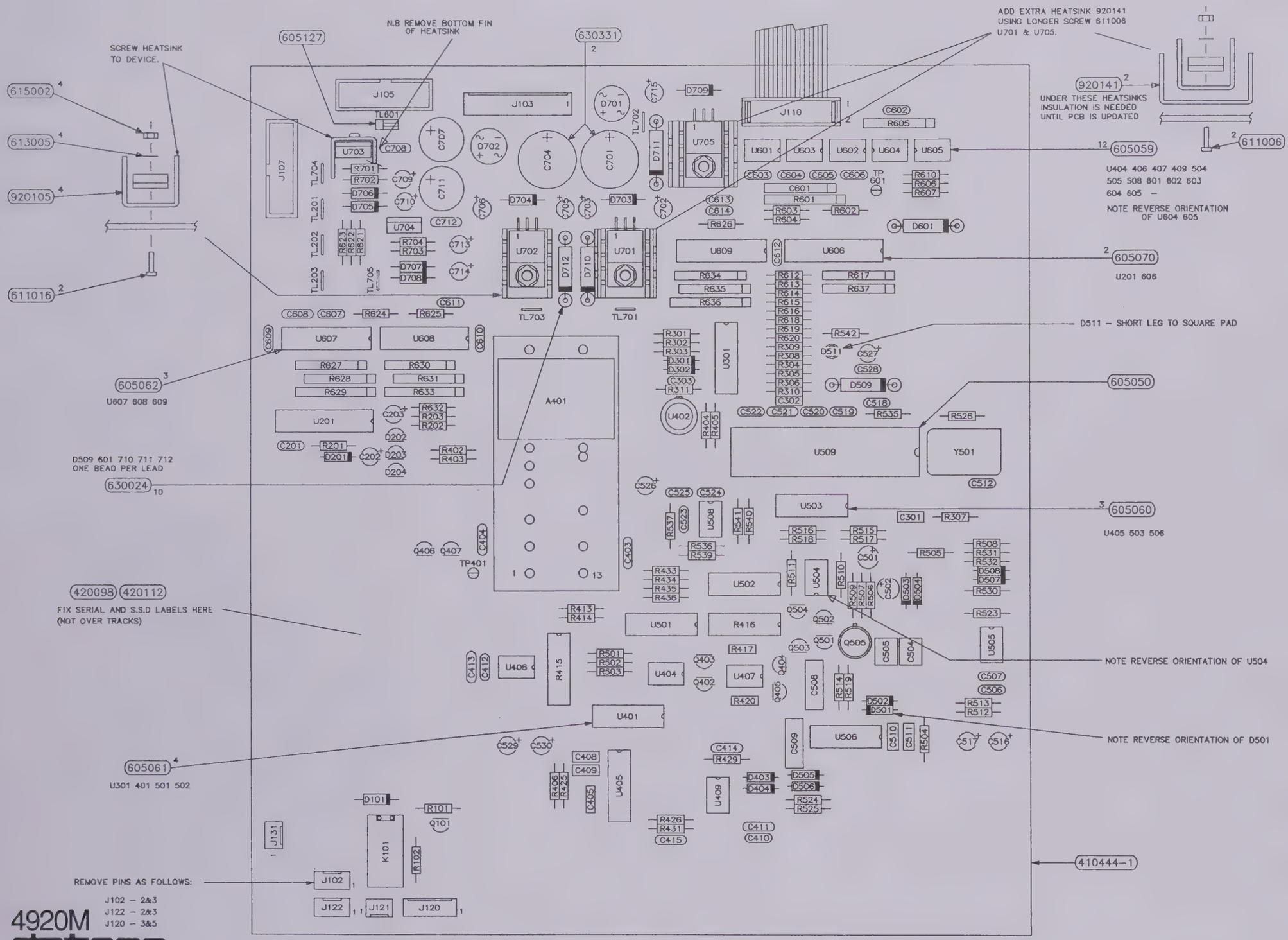

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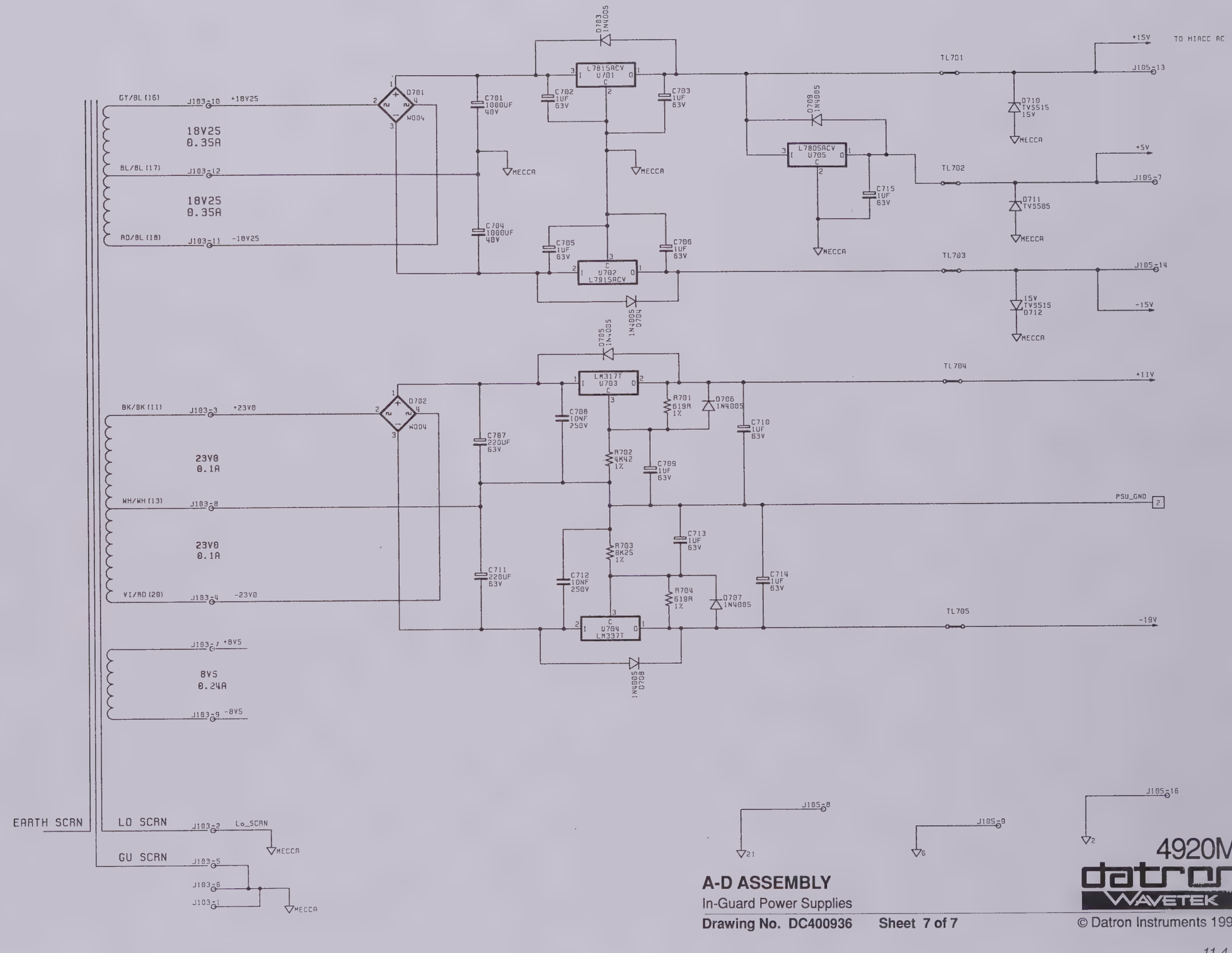
Drawing No. DA400936 Sheet 1



A-D ASSEMBLY

In-Guard Power Supplies

Drawing No. DC400936 **Sheet 7 of 7**

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY CHANGES
R101	012211	RES MF 2K21 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4
R102	012000	RES MF 200R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	5
R201	011501	RES MF 1K50 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R202	013011	RES MF 3K01 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4
R203	013011	RES MF 3K01 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R301	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	7
R302	013921	RES MF 3K92 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2
R303	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	11
R304	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R305	013921	RES MF 3K92 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R306	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R307	012002	RES MF 20K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3
R308	016811	RES MF 6K81 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2
R309	011212	RES MF 12K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R310	011502	RES MF 15K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4
R311	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R402	013321	RES MF 3K32 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R403	017501	RES MF 7K50 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R404	016811	RES MF 6K81 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R405	011502	RES MF 15K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R406	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R413	011502	RES MF 15K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R414	011502	RES MF 15K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R415	090205	RES PACK 10K X 8 .5%	BECKMAN	698-3-R10KD		EA	1
R416	090206	RES PACK 15K X 8 .5%	BECKMAN	698-3-R15KD		EA	1
R417	090138-1	RES FL NTWK 10K/10K 0.1%R	VISHAY MANN	300144C TO DRG		EA	2
R420	090138-1	RES FL NTWK 10K/10K 0.1%R	VISHAY MANN	300144C TO DRG		EA	-
R425	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R426	012211	RES MF 2K21 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R429	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	15
R431	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R433	013011	RES MF 3K01 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R434	012000	RES MF 200R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R435	012000	RES MF 200R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R436	013011	RES MF 3K01 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R501	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R502	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R503	016042	RES MF 60K4 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R504	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R505	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R506	012002	RES MF 20K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R507	012002	RES MF 20K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R508	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R509	014752	RES MF 47K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2
R510	012001	RES MF 2K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY CHANGES
R511	012001	RES MF 2K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R512	018252	RES MF 82K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2
R513	018252	RES MF 82K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R514	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3
R515	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R516	016192	RES MF 61K9 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2
R517	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R518	016192	RES MF 61K9 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R519	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R523	011821	RES MF 1K82 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R524	012211	RES MF 2K21 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R525	012211	RES MF 2K21 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R526	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R530	014752	RES MF 47K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R531	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4
R532	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R535	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R536	014750	RES MF 475R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R537	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R539	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R540	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R541	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2
R542	013651	RES MF 3K65 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1
R601	090179	RES NTWK 4K7 X 8 2%	BECKMAN	LO9-1-R4K7	A	EA	1
R602	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R603	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R604	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R605	090132	RES PACK 4K7 X 4 2%	BECKMAN	LO8-3-R4K7	A	EA	1
R606	014320	RES MF 432R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3
R607	014320	RES MF 432R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R610	014320	RES MF 432R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R612	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R613	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R614	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R615	012000	RES MF 200R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R616	012000	RES MF 200R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R617	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	8
R618	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R619	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R620	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R621	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R622	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-
R623	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R624	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	
R625	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R626	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R627	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	-	
R628	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	-	
R629	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1-R100K	A	EA	3	
R630	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	-	
R631	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	-	
R632	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R633	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1-R100K	A	EA	-	
R634	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	-	
R635	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	-	
R636	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1-R100K	A	EA	-	
R637	090168	RES PACK 1K X 4 2%	AB	770-83-1K	A	EA	-	
R701	016190	RES MF 619R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R702	014421	RES MF 4K42 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R703	018251	RES MF 8K25 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R704	016190	RES MF 619R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
C201	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	8	
C202	180060	CAP AE 10UF 50V	PHILIPS	035-90008		EA	2	
C203	180060	CAP AE 10UF 50V	PHILIPS	035-90008		EA	-	
C301	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	5	
C302	120016	CAP PC 2N2F 20% 100V	WIMA	FKC2		EA	2	
C303	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	1	
C403	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	10	
C404	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C405	120016	CAP PC 2N2F 20% 100V	WIMA	FKC2		EA	-	
C408	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C409	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C410	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	-	
C411	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C412	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	-	
C413	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C414	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C415	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C501	150021	CAP DT 22UF 20% 25V	AVX	TAP22M25F	A	EA	2	
C502	150021	CAP DT 22UF 20% 25V	AVX	TAP22M25F	A	EA	-	
C504	140086	CAP PP 10NF 5% 63V	WIMA	FKP2		EA	2	
C505	140086	CAP PP 10NF 5% 63V	WIMA	FKP2		EA	-	
C506	100101	CAP CD 100PF 2% 100V	PHILIPS	2222 683 34101		EA	2	
C507	100101	CAP CD 100PF 2% 100V	PHILIPS	2222 683 34101		EA	-	
C508	140065	CAP PP 47NF 10% 160V	WIMA	MKP10		EA	2	
C509	140065	CAP PP 47NF 10% 160V	WIMA	MKP10		EA	-	
C510	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C511	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C512	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	-	
C516	150020	CAP DT 10UF 20% 25V	AVX	TAP10M25F	A	EA	6	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C517	150020	CAP DT 10UF 20% 25V	AVX	TAP10M25F	A	EA	-	
C518	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	-	
C519	100151	CAP CP 150PF 2% 100V	PHILIPS	2222 683 34151		EA	3	
C520	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	1	
C521	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C522	100220	CAP CP 22PF 2% 100V	PHILIPS	2222 683 34229		EA	1	
C523	100222	CAP CP 2N2F 10% 100V	PHILIPS	2222 630 19222		EA	1	
C524	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	-	
C525	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	-	
C526	150020	CAP DT 10UF 20% 25V	AVX	TAP10M25F	A	EA	-	
C527	150020	CAP DT 10UF 20% 25V	AVX	TAP10M25F	A	EA	-	
C528	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	8	
C529	150020	CAP DT 10UF 20% 25V	AVX	TAP10M25F	A	EA	-	
C530	150020	CAP DT 10UF 20% 25V	AVX	TAP10M25F	A	EA	-	
C601	104052	CAP NTWK 220PF X 7 10%	MURATA/ERIE	B8XC0117-33N		EA	1	
C602	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C603	104025	CAP CM 100NF +80%-20% 50V	AVX	SR175E104ZA	A	EA	-	
C604	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C605	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C606	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C607	100150	CAP CP 15PF 2% 100V	PHILIPS	2222 683 10159		EA	2	
C608	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C609	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C610	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C611	100151	CAP CP 150PF 2% 100V	PHILIPS	2222 683 34151		EA	-	
C612	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C613	100150	CAP CP 15PF 2% 100V	PHILIPS	2222 683 10159		EA	-	
C614	100151	CAP CP 150PF 2% 100V	PHILIPS	2222 683 34151		EA	-	
C701	180047	CAP AE 1000UF 40V	NIPPON CHEMI-CON	SMVB/1000-40		EA	2	
C702	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	9	
C703	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	-	
C704	180047	CAP AE 1000UF 40V	NIPPON CHEMI-CON	SMVB/1000-40		EA	-	
C705	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	-	
C706	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	-	
C707	180061	CAP AE 220UF 63V	NIPPON CHEMI-CON	KMVB/220-63-20		EA	2	
C708	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C709	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	-	
C710	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	-	
C711	180061	CAP AE 220UF 63V	NIPPON CHEMI-CON	KMVB/220-63-20		EA	-	
C712	101103	CAP CD 10NF -20+80% 250V	BECK	CD10K310N0ZSCR/SK250		EA	-	
C713	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	-	
C714	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	-	
C715	180054	CAP AE 1UF 63V	NIPPON CHEMI-CON	KMVB/1-100-20		EA	1	
D101	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001	A	EA	5	
D201	210051	DIODE ZN 5V1 400mW	PHILIPS	BZX79C5V1				

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
D202	214014	DIODE ZN 1V22 100PPM	TELEDYNE	9491BJ	A	EA	3	
D203	214014	DIODE ZN 1V22 100PPM	TELEDYNE	9491BJ	A	EA		
D204	214014	DIODE ZN 1V22 100PPM	TELEDYNE	9491BJ	A	EA		
D301	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	2	
D302	210100	DIODE ZN 10V 400mW	PHILIPS	BZX79C10	A	EA	-	
D403	210051	DIODE ZN 5V1 400mW	PHILIPS	BZX79C5V1	A	EA	-	
D404	210051	DIODE ZN 5V1 400mW	PHILIPS	BZX79C5V1	A	EA	-	
D501	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	4	
D502	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D503	210120	DIODE ZN 12V 400mW	PHILIPS	BZX79C12	A	EA	2	
D504	210120	DIODE ZN 12V 400mW	PHILIPS	BZX79C12	A	EA	-	
D505	210051	DIODE ZN 5V1 400mW	PHILIPS	BZX79C5V1	A	EA	-	
D506	210051	DIODE ZN 5V1 400mW	PHILIPS	BZX79C5V1	A	EA	-	
D507	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D508	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D509	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	3	
D511	220044	DIODE LE RED HIEFF	GI	HLMP-1700		EA	1	
D601	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA		
D701	209014	DIODE BR 1A5 400V	MICRO-ELECTRONICS	W004		EA	2	
D702	209014	DIODE BR 1A5 400V	MICRO-ELECTRONICS	W004		EA	-	
D703	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	7	
D704	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	-	
D705	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	-	
D706	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA		
D707	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	-	
D708	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	-	
D709	200006	DIODE GP 1A 600V	FAIRCHILD	1N4005		EA	-	
D710	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	2	
D711	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA		
D712	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	-	
Q101	240006	TRAN NPN TO92	MOTOROLA	2N3904		EA	1	
Q402	230107	TRAN JFET N-CHAN 40V	SILICONIX	PN4393		EA	1	
Q403	230074	TRAN JFET N CHAN	SILICONIX	J271		EA	1	
Q404	230094	TRAN JFET P CHAN	MOTOROLA	2N5463		EA	1	
Q405	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	1	
Q406	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	2	
Q407	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA		
Q501	240041	TRAN NPN	MOTOROLA	BF374	A	EA	4	
Q502	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q503	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q504	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q505	230023	TRAN JFET N CHAN DUAL	SILICONIX	U401		EA	1	
U201	280157	IC DIG DAC LATCH MULT 12BIT	ANALOGUE DEVICES	AD7545JN		EA	1	
U301	280150	IC DIG MUX 8TO1 ANALOG	SILICONIX	DG508ACJ		EA	2	
U401	280150	IC DIG MUX 8TO1 ANALOG	SILICONIX	DG508ACJ		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
U402	260111	IC LIN MODULE PRECISION REF	LINEAR TECHNOLOGY	LM399AH		EA	1	
U404	260130	IC LIN OP AMP DUAL LOFFST LP	PMI	OP200GP		EA	2	
U405	260083	IC LIN OP AMP CHOPPER	LINEAR TECHNOLOGY	LTC1052CN		EA	2	
U406	260106	IC LIN OP AMP DUAL	MOTOROLA	MC34082P		EA	2	
U407	260130	IC LIN OP AMP DUAL LOFFST LP	PMI	OP200GP		EA	-	
U409	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081P		EA	1	
U501	280187	IC DIG SWITCH ANALOG 4NO	SILICONIX	DG411DJ		EA	2	
U502	280187	IC DIG SWITCH ANALOG 4NO	SILICONIX	DG411DJ		EA	-	
U503	280170	IC DIG NOR2 X4	TEXAS	SN74HCT02N		EA	1	
U504	260106	IC LIN OP AMP DUAL	MOTOROLA	MC34082P		EA	-	
U505	260042	IC LIN OP AMP DUAL	SIGNETICS	NE5532N		EA	1	
U506	260083	IC LIN OP AMP CHOPPER	LINEAR TECHNOLOGY	LTC1052CN		EA	-	
U508	260080	IC LIN V COMP	NATIONAL	LM311N		EA	1	
U509	280129	IC DIG GATE ARRAY ATOD	PLESSEY	CLA3722		EA	1	
U601	220041	OPTO ISOL 3KV DUAL	H.P.	HCPL-2631	A	EA	3	
U602	220027	OPTO ISOL HIGH CMR	H.P.	HCPL-2601	A	EA	1	
U603	220041	OPTO ISOL 3KV DUAL	H.P.	HCPL-2631	A	EA	-	
U604	220041	OPTO ISOL 3KV DUAL	H.P.	HCPL-2631	A	EA		
U605	220030	OPTO ISOL HI SPEED	H.P.	6N136		EA	1	
U606	280137	IC DIG BUFF4 3S X2	PHILIPS	PC74HCT244P		EA	1	
U607	280132	IC DIG GATE ARRAY TX/RX	PLESSEY	CLA3106		EA	3	
U608	280132	IC DIG GATE ARRAY TX/RX	PLESSEY	CLA3106		EA	-	
U609	280132	IC DIG GATE ARRAY TX/RX	PLESSEY	CLA3106		EA	-	
U701	260094	IC LIN REG 15V 1A	SGS	L7815ACV	A	EA	1	
U702	260095	IC LIN REG -15V 1A	SGS	L7915ACV	A	EA	1	
U703	260037	IC LIN REG 1.2-37V 1A POS	NATIONAL	LM317T		EA	1	
U704	260038	IC LIN REG 1.2-37V 1A NEG	NATIONAL	LM337T		EA	1	
U705	260097	IC LIN REG 5V 1A	SGS	L7805ACV	A	EA	1	
K101	330045	RELAY 2PCO MONO 12V 250V	SDS	DS2E-12V	A	EA	1	
A401	400946-1	ASSY REF MODULE POS 4920M	DATRON	SEE DRG		EA	1	
J102	604033	PLUG PCB 4 WAY .1"	MOLEX	22-29-2041		EA	2	
J103	604086	PLUG PCB 12-WAY .1"	MOLEX	22-29-2121		EA	1	
J105	604076	PLUG PCB 16-WAY .1"X.1" GRID	3M	3599-6002UN		EA	2	
J107	604076	PLUG PCB 16-WAY .1"X.1" GRID	3M	3599-6002UN		EA		
J110	400758-2	ASSY CABLE SIG IP	DATRON	SEE DRG		EA	1	
J120	604075	PLUG PCB 6-WAY .1"	MOLEX	22-29-2061		EA	1	
J121	604074	PLUG PCB 3-WAY .1"	MOLEX	22-29-2031		EA	2	
J122	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	-	
J131	604074	PLUG PCB 3-WAY .1"	MOLEX	22-29-2031		EA	-	
TL201	620013-1	TEST LOOP	DATRON	SEE DRG		EA	8	
TL202	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	
TL203	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	
TL601	604046	PLUG PCB 3-WAY .1"	MOLEX	22-10-2031		EA	1	
TL701	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	
TL702	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	

11-4-9

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
TL703	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	
TL704	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	
TL705	620013-1	TEST LOOP	DATRON	SEE DRG		EA	-	
TP401	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	2	
TP601	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
Y501	800032	CRYSTAL OSC 4.91520 MHz	EUROQUARTZ	EQX0 1100HC		EA	1	
	410444-1	PCB A-D / CONTROL 4920M		SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No.	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A	EA	1	
	605050	SOCKET PCB 40-WAY DIL	JERMYN	J23-18040	A	EA	1	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	12	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	3	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	4	
	605062	SOCKET PCB 18-WAY DIL	JERMYN	J23-18018	A	EA	3	
	605070	SOCKET PCB 20-WAY DIL	JERMYN	J23-18020	A	EA	2	
	605127	SOCKET LINK 2-WAY .1" BLK	ASSMANN	AKSPL-G		EA	1	
	611006	SCREW M3 X 10 POZIPAN SZP				EA	2	
	611016	SCREW M3 X 8 POZIPAN SZP				EA	2	
	613005	WASHER M3 INT SHAKEPROOF				EA	4	
	615002	NUT FULL M3 SZP				EA	4	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2		EA	10	
	630331	PAD 9/16 SOLDER MASK	W.H.BRADY	CMC5625		EA	2	
	920105-1	HEATSINK TO-202	AAVID	SEE DRG		EA	4	
	920141	HEATSINK TO220	AAVID	5041B		EA	2	
ST101	99924S	STAR-POINT 24 NOT FITTED				EA	1	

End

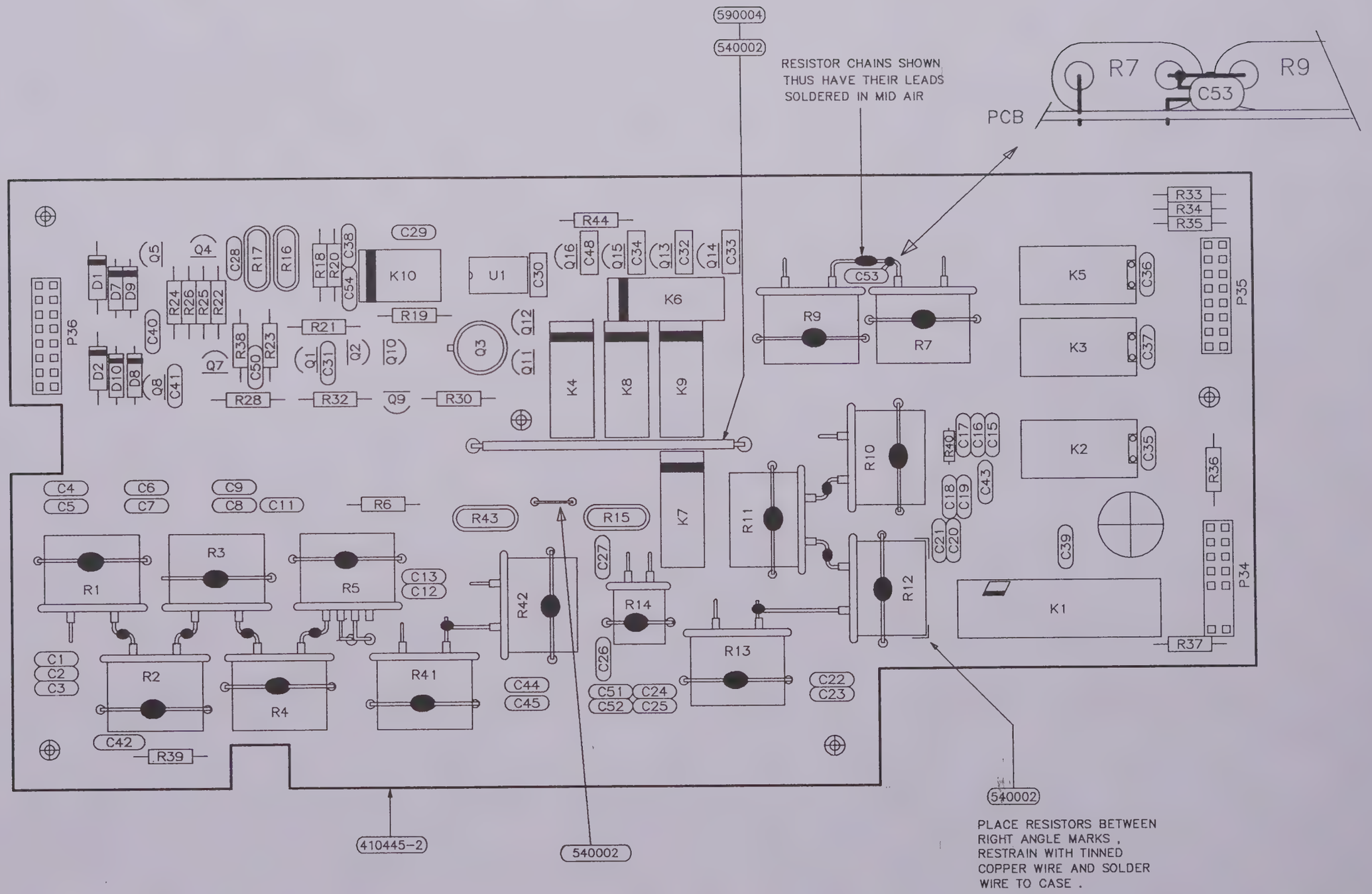
DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	400699-2	ASSY PCB REF MODULE NEGATIVE	DATRON	SEE DRG		EA	1	

End

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	570001	CABLE RIBBON 16 WAY	3M	3365/16		AR	1	
	604080	PLUG PCB 16-WAY TRANSITION .1"	3M	3916-0000T		EA	1	
	605148	SOCKET CAB 16-WAY IDC .1"	3M	3452-6616EY		EA	1	

End

11.4.10



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Drawing No. DA400938-1.2 Sheet 1 of 1

4920M

datron WAVETEK

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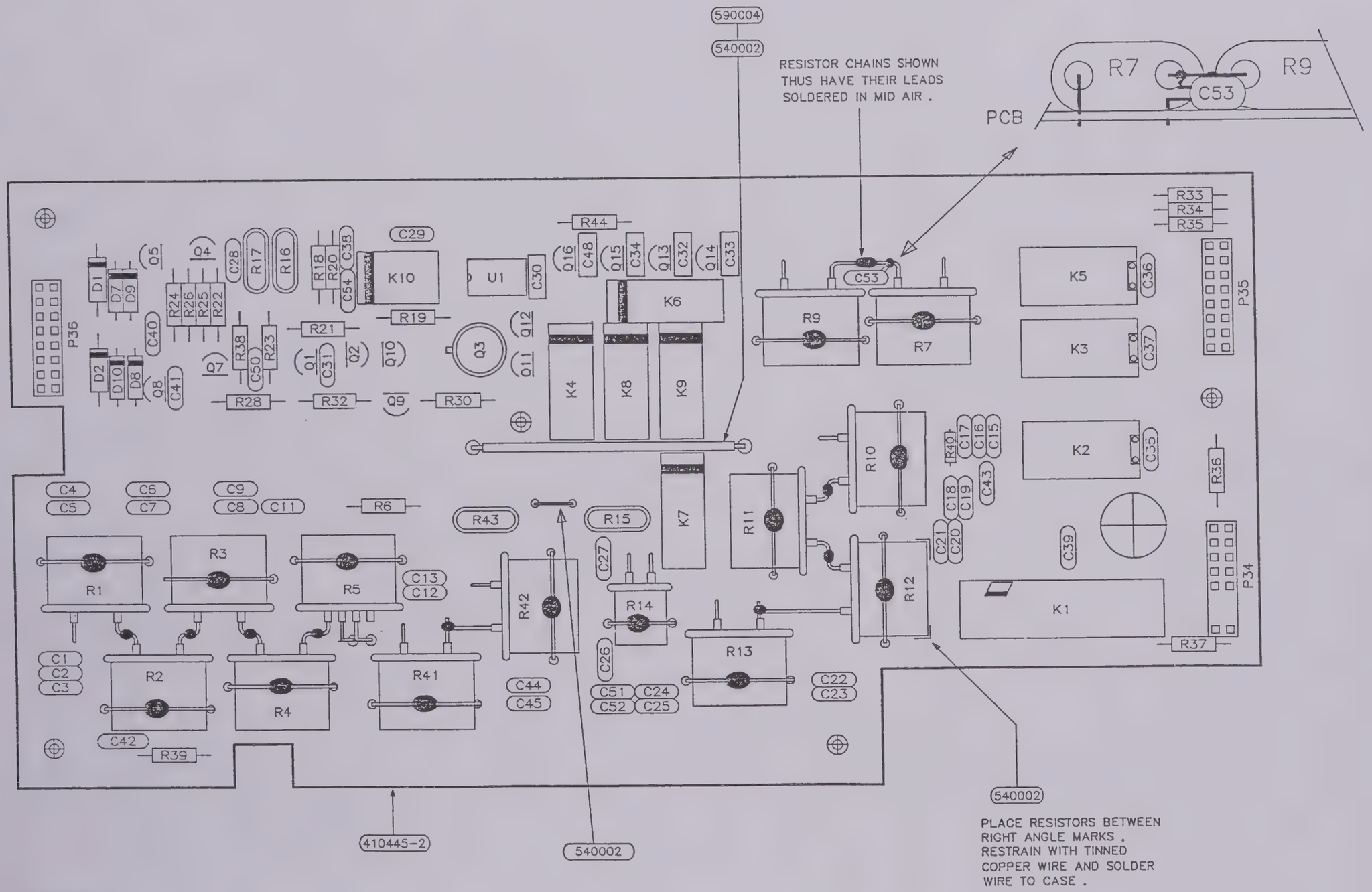

4920M

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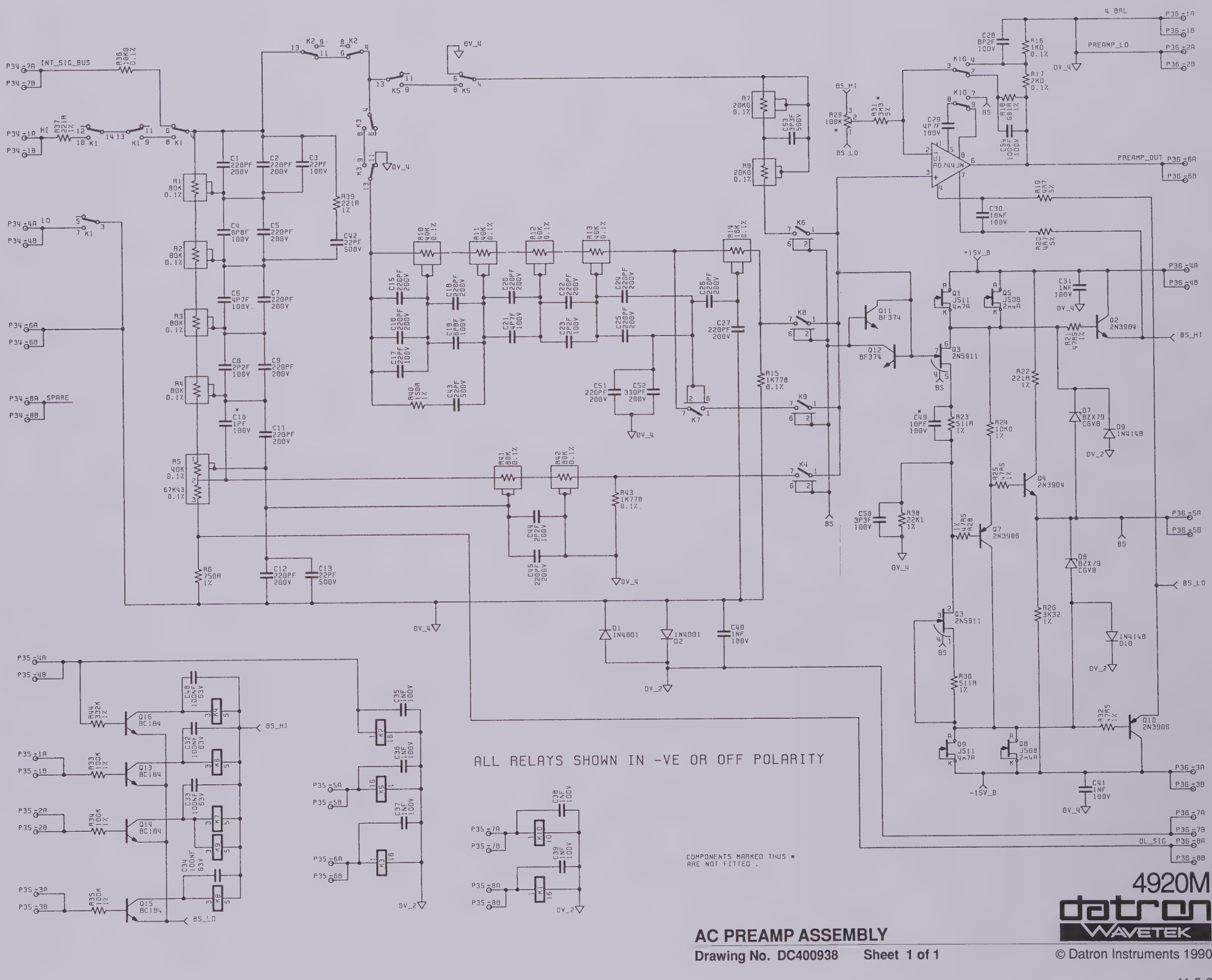
Drawing No. DA400938-1.3 **Sheet 1**



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4920M

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	1	
R2	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	-	
R3	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5		
R4	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	-	
R5	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	-	
R6	017500	RES MF 750R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R7	080160-1	RES FL 20K 5% 20PPM	ALPHA	HEW TO DRG		EA	2	
R9	080160-1	RES FL 20K 5% 20PPM	ALPHA	HEW TO DRG		EA	-	
R10	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	1	
R11	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R12	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R13	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R14	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R15	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R16	090199-1	RES FL SET 2K/1K 0.1%	ALPHA	CHD02P001 TO DRG		S2	1	
R17	090199-1	RES FL SET 2K/1K 0.1%	ALPHA	CHD02P001 TO DRG		S2	-	
R18	016810	RES MF 681R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R19	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	2	
R20	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	-	
R21	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4	
R22	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R23	015110	RES MF 511R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R24	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R25	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R26	013321	RES MF 3K32 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R28	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R29	00000N	NOT FITTED				EA	4	
R30	015110	RES MF 511R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R31	00000N	NOT FITTED				EA	-	
R32	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R33	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R34	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R35	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R36	050076	RES MF 10K00 .1% .12W 50PPM	HOLSWORTHY	H8		EA	1	
R37	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R38	012212	RES MF 22K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R39	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R40	050102	RES MF 150R 1% .4W 100PPM	NEOHM	LR0204	A	EA	1	
R41	090207-1	RES FL SET 80K X 2/1K778	ALPHA	SEE DRG		S3	1	
R42	090207-1	RES FL SET 80K X 2/1K778	ALPHA	SEE DRG		S3	-	
R43	090207-1	RES FL SET 80K X 2/1K778	ALPHA	SEE DRG		S3	-	
R44	013323	RES MF 332K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
C1	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	18	
C2	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C3	100220	CAP CP 22PF 2% 100V	PHILIPS	2222 683 34229		EA	2	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C4	100688	CAP CP 6P8F +/-.25% 100V	PHILIPS	2222 683 09688		EA	2	
C5	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C6	100478	CAP CP 4P7F 2% 100V	PHILIPS	2222 683 09478		EA	3	
C7	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C8	100228	CAP CP 2P2F +/-0P25F 100V	PHILIPS	2222 683 09228		EA	3	
C9	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA		
C10	00000N	NOT FITTED				EA	-	
C11	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C12	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C13	102220	CAP CD 22PF 5% 500V	BECK	CD08RH22P0MSCR	A	EA	1	
C15	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C16	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C17	100220	CAP CP 22PF 2% 100V	PHILIPS	2222 683 34229		EA	-	
C18	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C19	100688	CAP CP 6P8F +/-.25% 100V	PHILIPS	2222 683 09688		EA	-	
C20	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C21	100478	CAP CP 4P7F 2% 100V	PHILIPS	2222 683 09478		EA	-	
C22	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C23	100228	CAP CP 2P2F +/-0P25F 100V	PHILIPS	2222 683 09228		EA	-	
C24	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C25	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C26	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C27	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C28	100828	CAP CP 8P2F +/-0P25F 100V	PHILIPS	2222 683 09828		EA	1	
C29	100478	CAP CP 4P7F 2% 100V	PHILIPS	2222 683 09478		EA	-	
C30	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	1	
C31	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	8	
C32	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	4	
C33	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C34	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C35	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C36	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C37	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C38	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C39	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C40	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA		
C41	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C42	104036	CAP CD 22PF 5% 500V	BECK	CD10PG22P0JSCR	A	EA	2	
C43	104036	CAP CD 22PF 5% 500V	BECK	CD10PG22P0JSCR	A	EA	-	
C44	100228	CAP CP 2P2F +/-0P25F 100V	PHILIPS	2222 683 09228		EA	-	
C45	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C48	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C49	00000N	NOT FITTED				EA	-	
C50	100338	CAP CP 3P3F 2% 100V	PHILIPS	2222 683 09338		EA	1	
C51	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C52	104080	CAP CM 330PF 10% 200V NPO	AVX	SR212A331KAA		EA	1	
C53	102338	CAP CD 3P3F +/-0p5F 500V	BECK	CD08AG03P3DSCR	A	EA	1	
C54	100101	CAP CD 100PF 2% 100V	PHILIPS	2222 683 34101		EA	1	
D1	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	2	
D2	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	-	
D7	210068	DIODE ZN 6V8 400mW	PHILIPS	BZX79C6V8	A	EA	2	
D8	210068	DIODE ZN 6V8 400mW	PHILIPS	BZX79C6V8	A	EA	-	
D9	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	2	
D10	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
Q1	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	2	
Q2	240006	TRAN NPN TO92	MOTOROLA	2N3904		EA	2	
Q3	230070	TRAN JFET N-CHAN DUAL	SILICONIX	2N5911		EA	1	
Q4	240006	TRAN NPN TO92	MOTOROLA	2N3904		EA	-	
Q5	230050	TRAN JFET I LIM 2m4A	SILICONIX	J508		EA	2	
Q7	250004	TRAN PNP TO92	MOTOROLA	2N3906		EA	2	
Q8	230050	TRAN JFET I LIM 2m4A	SILICONIX	J508		EA	-	
Q9	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	-	
Q10	250004	TRAN PNP TO92	MOTOROLA	2N3906		EA	-	
Q11	240041	TRAN NPN	MOTOROLA	BF374	A	EA	2	
Q12	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q13	240001	TRAN NPN	MOTOROLA	BC184		EA	4	
Q14	240001	TRAN NPN	MOTOROLA	BC184		EA	-	
Q15	240001	TRAN NPN	MOTOROLA	BC184		EA	-	
Q16	240001	TRAN NPN	MOTOROLA	BC184		EA	-	
U1	260134	IC LIN OP AMP FET IP F/SET	ANALOG DEVICES	AD744JN		EA	1	
K1	330061	RELAY 4PCO MONO 12V	SDS	DS4E-S-12V		EA	1	
K2	330063	RELAY 2PCO MONO 12V	SDS	DS2E-F-12V		EA	1	
K3	330062	RELAY 2PCO LATCH 12V	SDS	DS2E-FL-12V		EA	2	
K4	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	5	
K5	330062	RELAY 2PCO LATCH 12V	SDS	DS2E-FL-12V		EA	-	
K6	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K7	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K8	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K9	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K10	330048	RELAY 2PCO LATCH 12V	SDS	TQ2-L-12V	A	EA	1	
P34	605210	SOCKET PCB 16WAY .1" 8+8 GD PL	HARWIN	M20-9900822		EA	3	
P35	605210	SOCKET PCB 16WAY .1" 8+8 GD PL	HARWIN	M20-9900822		EA	-	
P36	605210	SOCKET PCB 16WAY .1" 8+8 GD PL	HARWIN	M20-9900822		EA	-	
	410445-1	PCB PREAMP 4920M		SEE DRG		EA	1	
	540002	WIRE 1/.7 TINNED COPPER	BS4109	22SWG		AR	1	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10		AR	1	

End

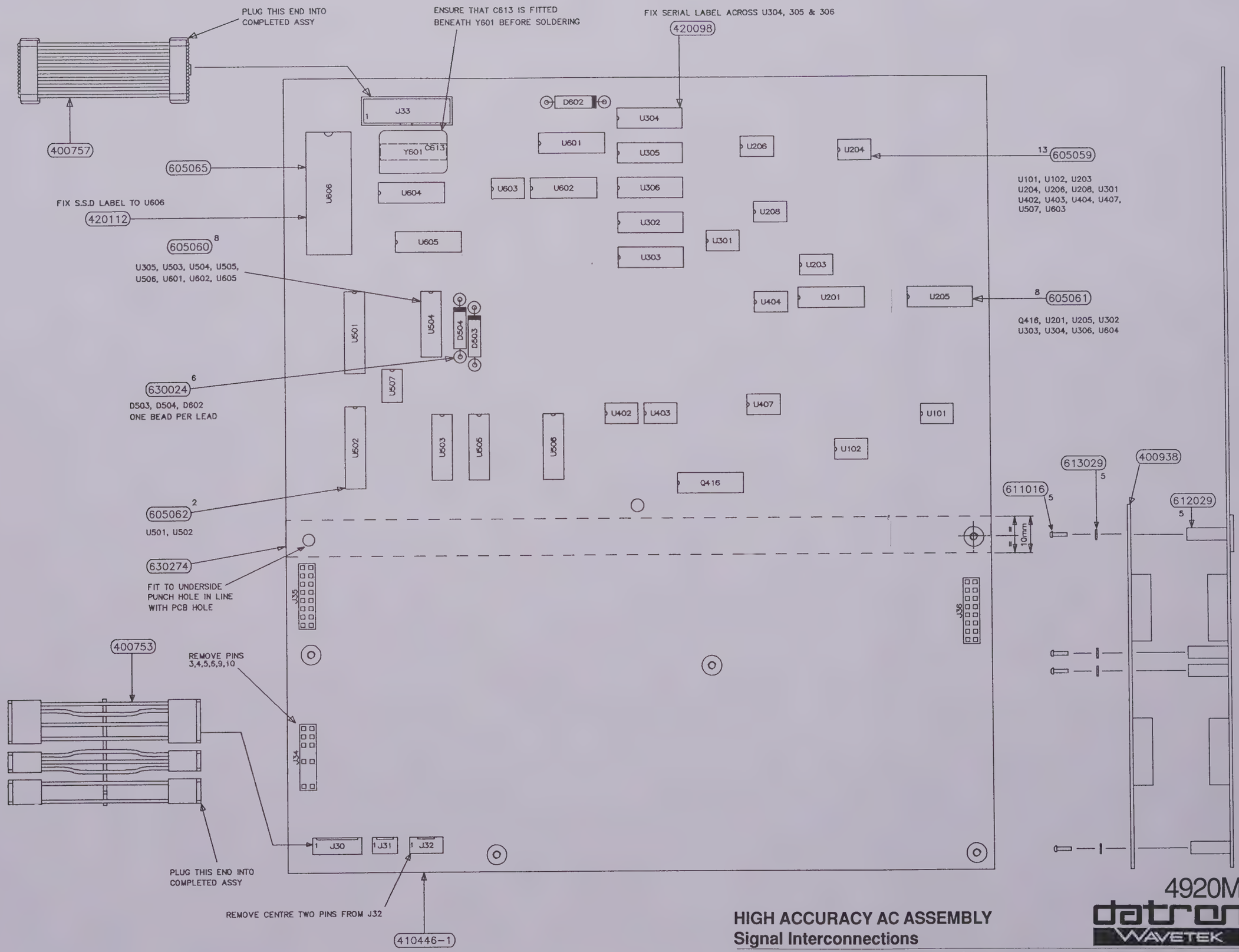
DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R1	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	1	
R2	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	-	
R3	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	-	
R4	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	-	
R5	090200-1	RES FL SET 80K X 4/40K/67K43	ALPHA	SEE DRG		S5	-	
R6	017500	RES MF 750R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R7	080160-1	RES FL 20K 5% 20PPM	ALPHA	HEW TO DRG		EA	2	
R9	080160-1	RES FL 20K 5% 20PPM	ALPHA	HEW TO DRG		EA	-	
R10	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	1	
R11	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R12	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R13	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R14	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R15	090197-1	RES FL SET 40K X 4/16K/1K778	ALPHA	CHK06P001 TO DRG		S6	-	
R16	090199-1	RES FL SET 2K/1K 0.1%	ALPHA	CHD02P001 TO DRG		S2	1	
R17	090199-1	RES FL SET 2K/1K 0.1%	ALPHA	CHD02P001 TO DRG		S2	-	
R18	016810	RES MF 681R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R19	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	2	
R20	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	-	
R21	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4	
R22	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R23	015110	RES MF 511R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R24	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R25	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R26	013321	RES MF 3K32 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R28	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R29	00000N	NOT FITTED				EA	4	
R30	015110	RES MF 511R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R31	00000N	NOT FITTED				EA	-	
R32	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R33	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R34	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R35	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R36	050076	RES MF 10K00 .1% .12W 50PPM	HOLSWORTHY	H8		EA	1	
R37	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R38	012212	RES MF 22K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R39	012210	RES MF 221R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R40	050102	RES MF 150R 1% .4W 100PPM	NEOHM	LR0204	A	EA	1	
R41	090207-1	RES FL SET 80K X 2/1K778	ALPHA	SEE DRG		S3	1	
R42	090207-1	RES FL SET 80K X 2/1K778	ALPHA	SEE DRG		S3	-	
R43	090207-1	RES FL SET 80K X 2/1K778	ALPHA	SEE DRG		S3	-	
R44	013323	RES MF 332K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
C1	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	18	
C2	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C3	100220	CAP CP 22PF 2% 100V	PHILIPS	2222 683 34229		EA	2	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C4	100688	CAP CP 6P8F +/-.25% 100V	PHILIPS	2222 683 09688		EA	2	
C5	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C6	100478	CAP CP 4P7F 2% 100V	PHILIPS	2222 683 09478		EA	3	
C7	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C8	100228	CAP CP 2P2F +/-0P25F 100V	PHILIPS	2222 683 09228		EA	3	
C9	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C10	00000N	NOT FITTED				EA	-	
C11	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C12	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C13	102220	CAP CD 22PF 5% 500V	BECK	CD08RH22P0MSCR	A	EA	1	
C15	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C16	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C17	100220	CAP CP 22PF 2% 100V	PHILIPS	2222 683 34229		EA	-	
C18	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C19	100688	CAP CP 6P8F +/-.25% 100V	PHILIPS	2222 683 09688		EA	-	
C20	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C21	100478	CAP CP 4P7F 2% 100V	PHILIPS	2222 683 09478		EA	-	
C22	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C23	100228	CAP CP 2P2F +/-0P25F 100V	PHILIPS	2222 683 09228		EA	-	
C24	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C25	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C26	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C27	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C28	100828	CAP CP 8P2F +/-0P25F 100V	PHILIPS	2222 683 09828		EA	1	
C29	100478	CAP CP 4P7F 2% 100V	PHILIPS	2222 683 09478		EA	-	
C30	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	1	
C31	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	8	
C32	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	4	
C33	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C34	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C35	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C36	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C37	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C38	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C39	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C40	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C41	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C42	104036	CAP CD 22PF 5% 500V	BECK	CD10PG22P0JSCR	A	EA	2	
C43	104036	CAP CD 22PF 5% 500V	BECK	CD10PG22P0JSCR	A	EA	-	
C44	100228	CAP CP 2P2F +/-0P25F 100V	PHILIPS	2222 683 09228		EA	-	
C45	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	
C48	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C49	00000N	NOT FITTED				EA	-	
C50	100338	CAP CP 3P3F 2% 100V	PHILIPS	2222 683 09338		EA	1	
C51	104079	CAP CM 220PF 5% 200V NPO	AVX	SR212A221JAA		EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C52	104080	CAP CM 330PF 10% 200V NPO	AVX	SR212A331KAA		EA	1	
C53	102338	CAP CD 3P3F +/-0p5F 500V	BECK	CD08AG03P3DSCR	A	EA	1	
C54	100101	CAP CD 100PF 2% 100V	PHILIPS	2222 683 34101		EA	1	
D1	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	2	
D2	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	-	
D7	210068	DIODE ZN 6V8 400mW	PHILIPS	BZX79C6V8	A	EA	2	
D8	210068	DIODE ZN 6V8 400mW	PHILIPS	BZX79C6V8	A	EA	-	
D9	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	2	
D10	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
Q1	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	2	
Q2	240006	TRAN NPN TO92	MOTOROLA	2N3904		EA	2	
Q3	230070	TRAN JFET N-CHAN DUAL	SILICONIX	2N5911		EA	1	
Q4	240006	TRAN NPN TO92	MOTOROLA	2N3904		EA	-	
Q5	230050	TRAN JFET I LIM 2m4A	SILICONIX	J508		EA	2	
Q7	250004	TRAN PNP TO92	MOTOROLA	2N3906		EA	2	
Q8	230050	TRAN JFET I LIM 2m4A	SILICONIX	J508		EA	-	
Q9	230065	TRAN JFET I LIM 4m7A	SILICONIX	J511		EA	-	
Q10	250004	TRAN PNP TO92	MOTOROLA	2N3906		EA	-	
Q11	240041	TRAN NPN	MOTOROLA	BF374	A	EA	2	
Q12	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q13	240001	TRAN NPN	MOTOROLA	BC184		EA	4	
Q14	240001	TRAN NPN	MOTOROLA	BC184		EA	-	
Q15	240001	TRAN NPN	MOTOROLA	BC184		EA	-	
Q16	240001	TRAN NPN	MOTOROLA	BC184		EA	-	
U1	260134	IC LIN OP AMP FET IP F/SET	ANALOG DEVICES	AD744JN		EA	1	
K1	330061	RELAY 4PCO MONO 12V	SDS	DS4E-S-12V		EA	1	
K2	330063	RELAY 2PCO MONO 12V	SDS	DS2E-F-12V		EA	1	
K3	330062	RELAY 2PCO LATCH 12V	SDS	DS2E-FL-12V		EA	2	
K4	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	5	
K5	330062	RELAY 2PCO LATCH 12V	SDS	DS2E-FL-12V		EA	-	
K6	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K7	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K8	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K9	330065-1	RELAY 1PNO REED	PICKERING	SEE DRG		EA	-	
K10	330048	RELAY 2PCO LATCH 12V	SDS	TQ2-L-12V	A	EA	1	
P34	605210	SOCKET PCB 16WAY .1" 8+8 GD PL	HARWIN	M20-9900822		EA	3	
P35	605210	SOCKET PCB 16WAY .1" 8+8 GD PL	HARWIN	M20-9900822		EA	-	
P36	605210	SOCKET PCB 16WAY .1" 8+8 GD PL	HARWIN	M20-9900822		EA	-	
	410445-2	PCB PREAMP 4920M		SEE DRG		EA	1	
	540002	WIRE 1/.7 TINNED COPPER	BS4109	22SWG		AR	1	
	590004	SLEEVE PTFE 1mm BLK	HELLERMANN	FE10		AR	1	

End

11-5-4



HIGH ACCURACY AC ASSEMBLY
Signal Interconnections

Drawing No. DA400937 **Sheet 1 of 2**

4920M

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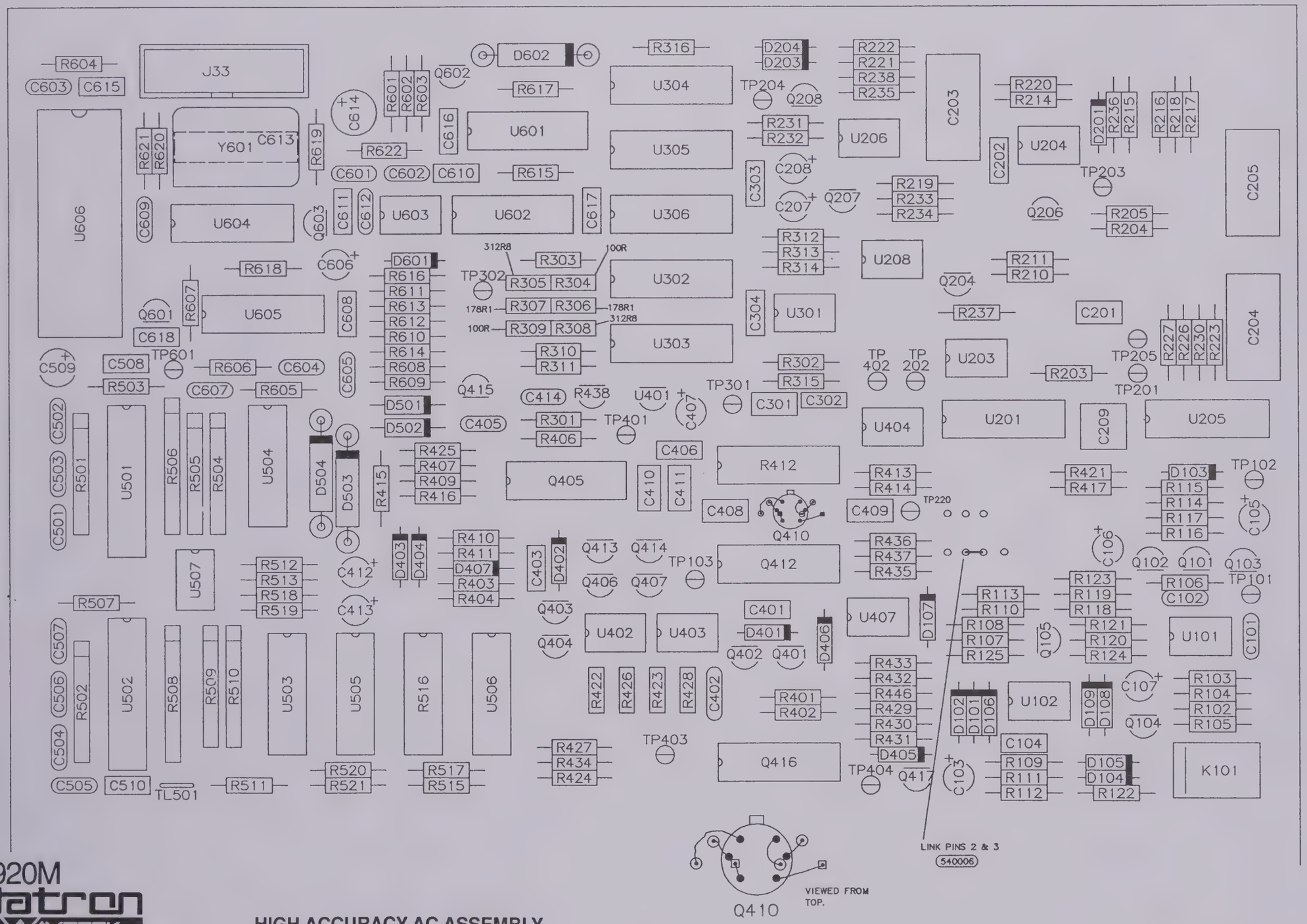

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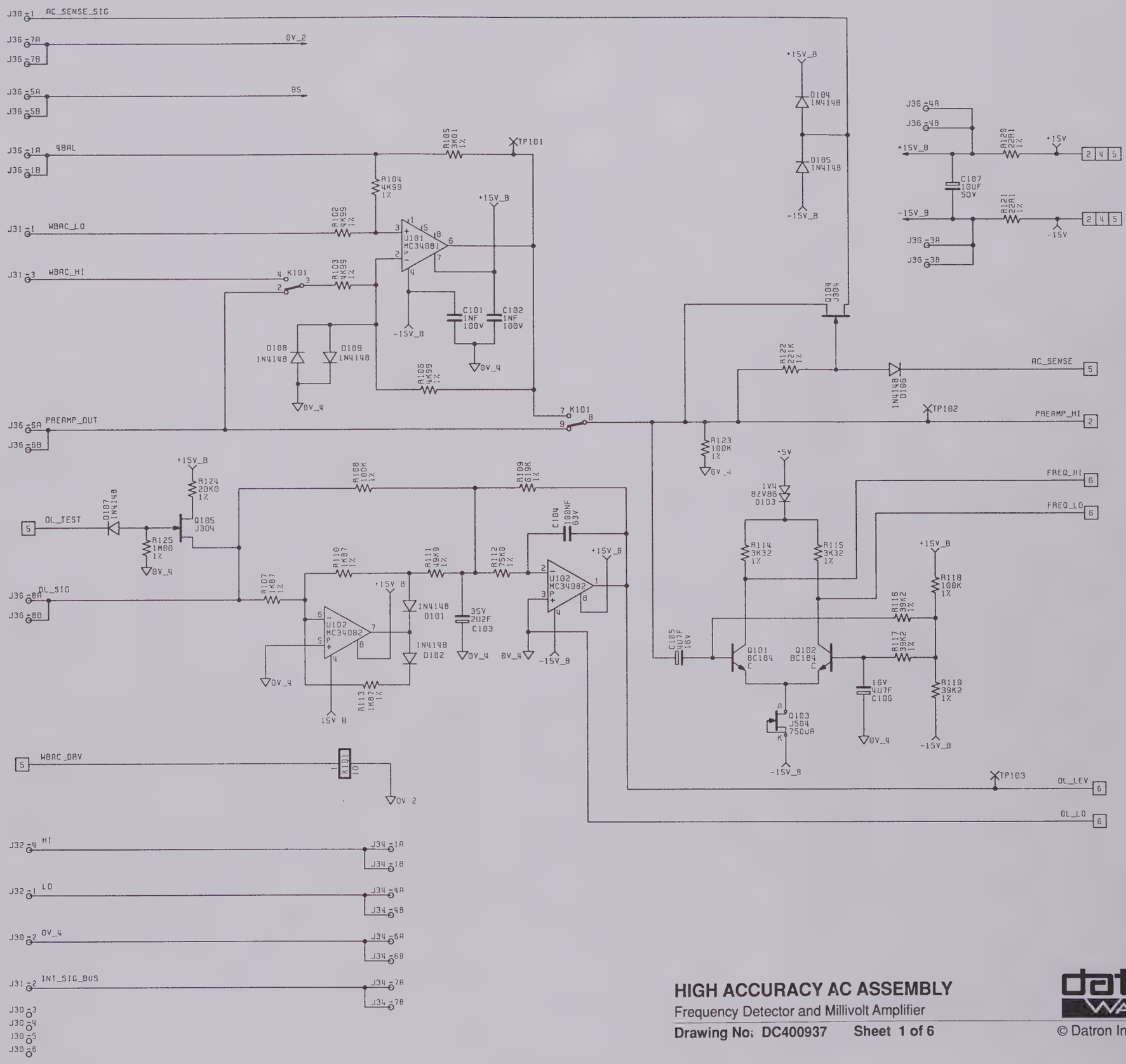
HIGH ACCURACY AC ASSEMBLY

Drawing No. DA400937 Sheet 2



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HIGH ACCURACY AC ASSEMBLY

Frequency Detector and Millivolt Amplifier

Drawing No: DC400937 **Sheet 1 of 6**

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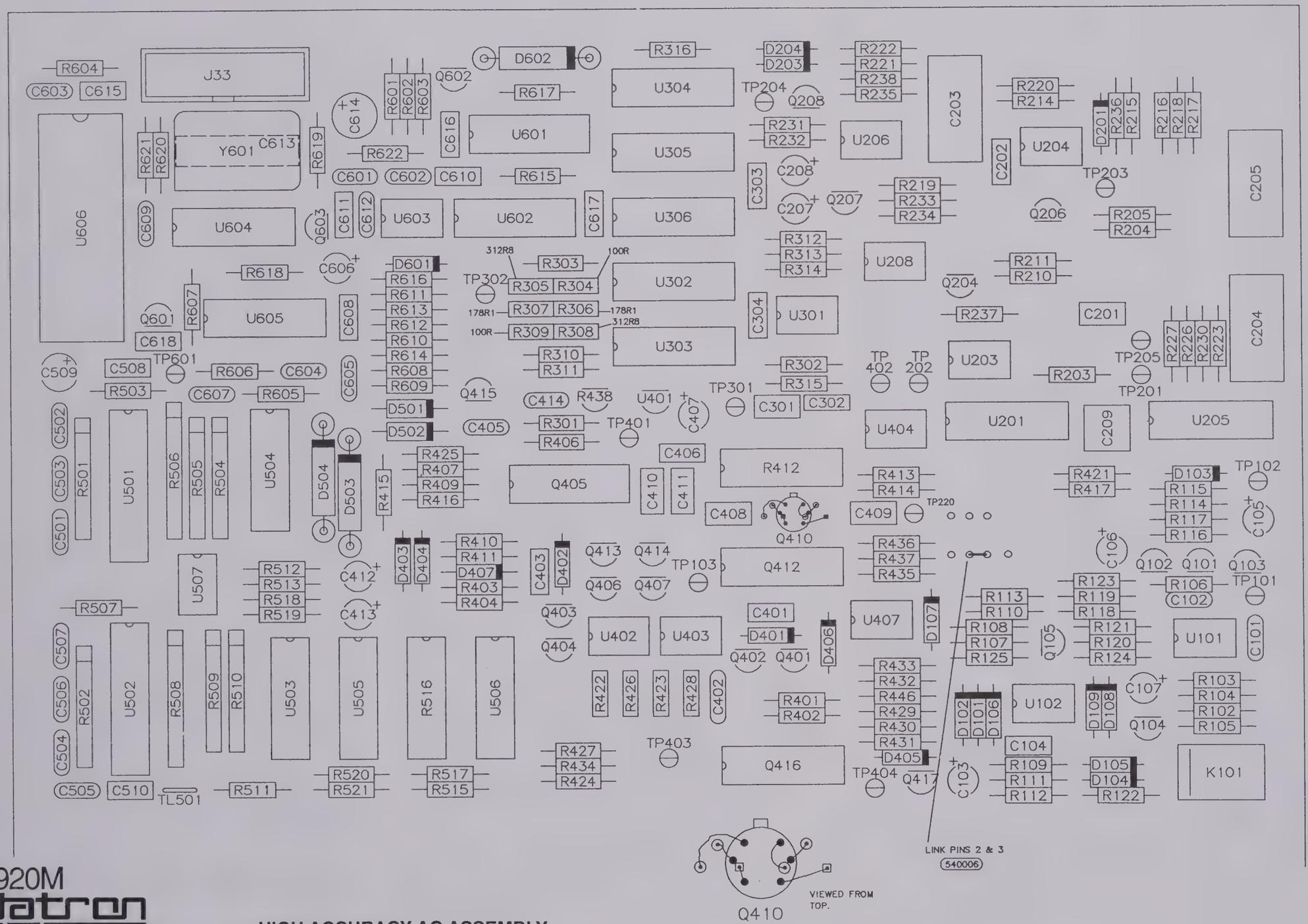

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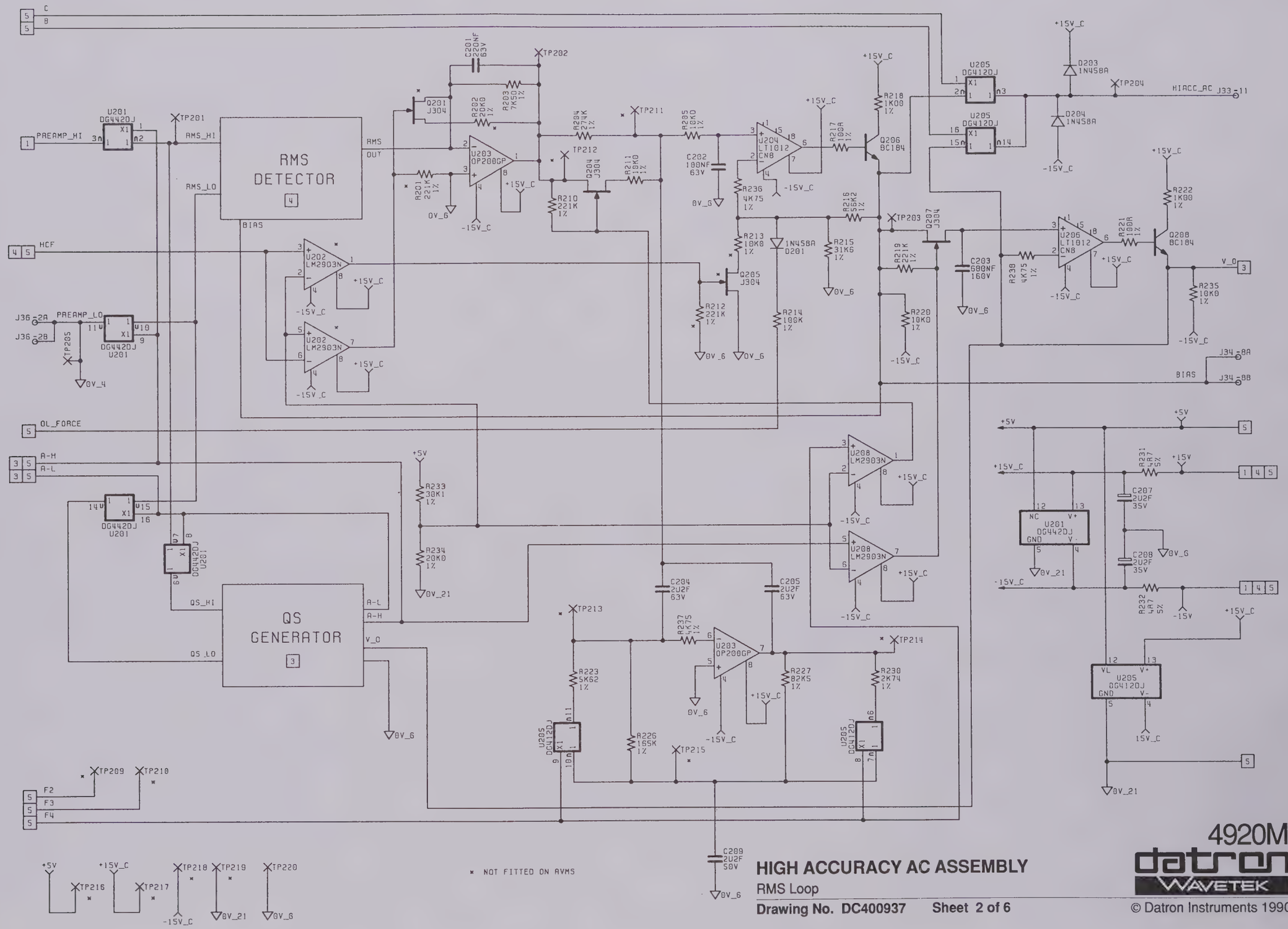
HIGH ACCURACY AC ASSEMBLY

Drawing No. DA400937 Sheet 2



HIGH ACCURACY AC ASSEMBLY

RMS Loop

Drawing No. DC400937 **Sheet 2 of 6**

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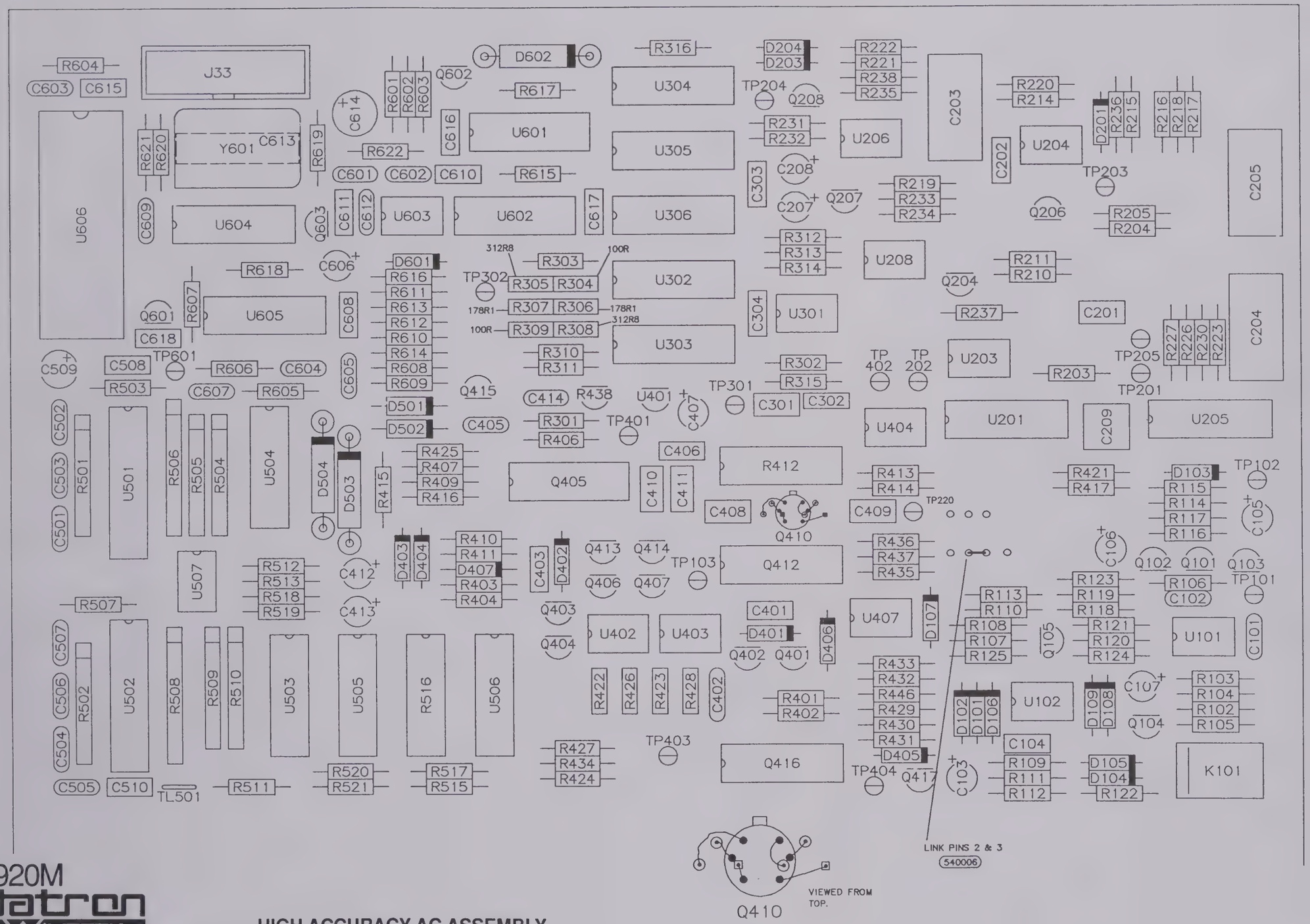

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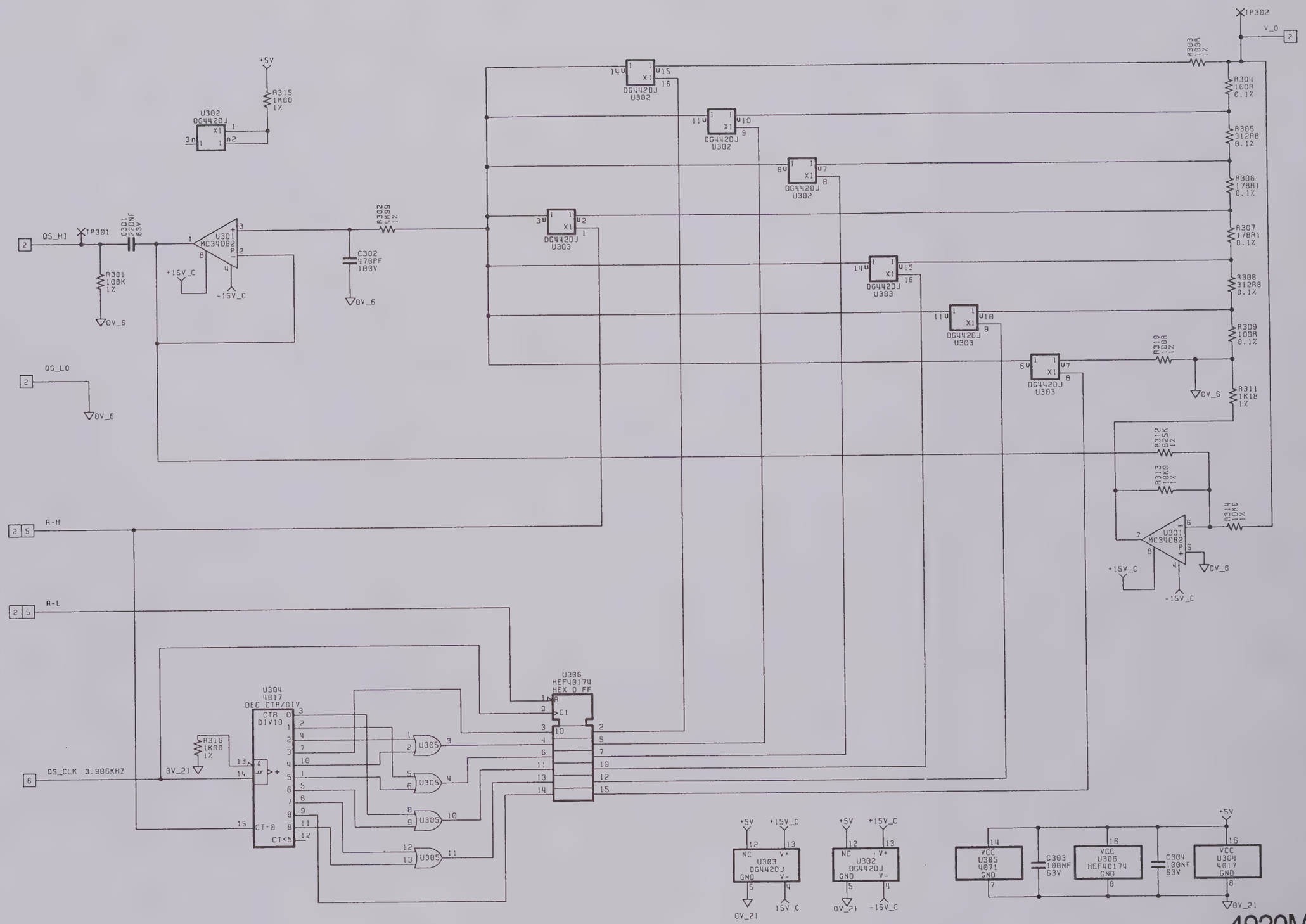
HIGH ACCURACY AC ASSEMBLY

Drawing No. DA400937 Sheet 2



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HIGH ACCURACY AC ASSEMBLY

Quasi-Sinewave Generator

Drawing No. DC400937 **Sheet 3 of 6**

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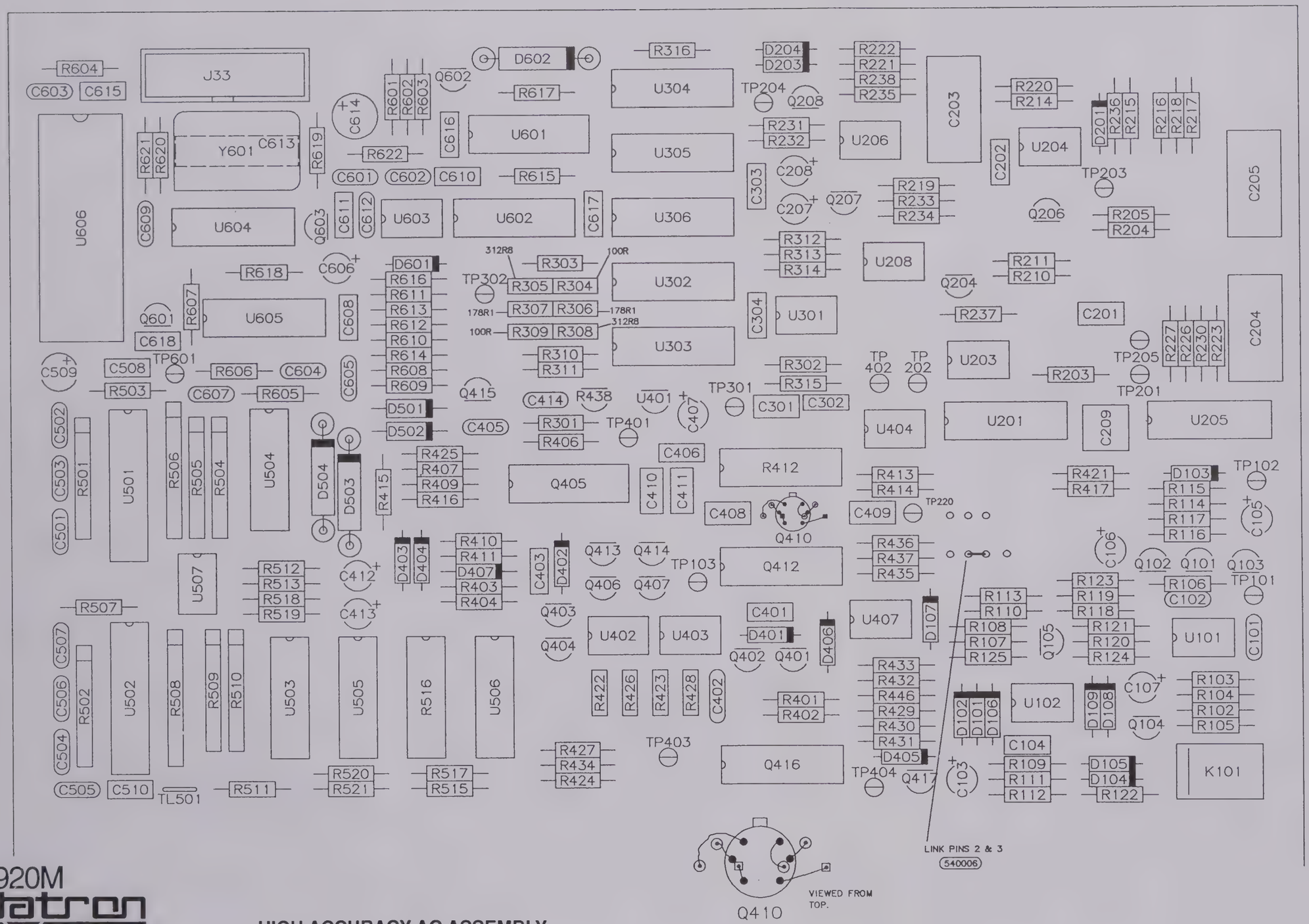

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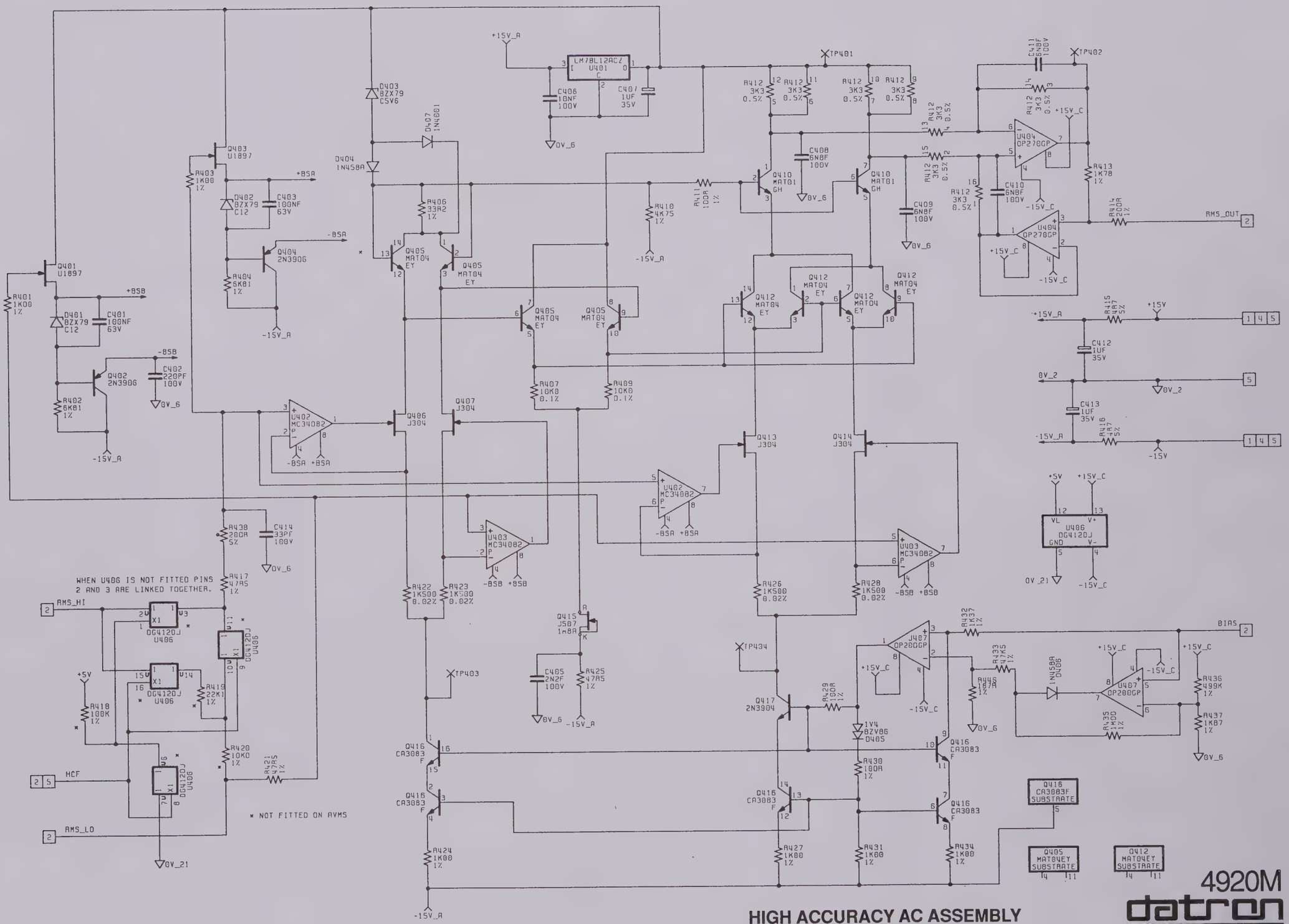

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HIGH ACCURACY AC ASSEMBLY

RMS Detector

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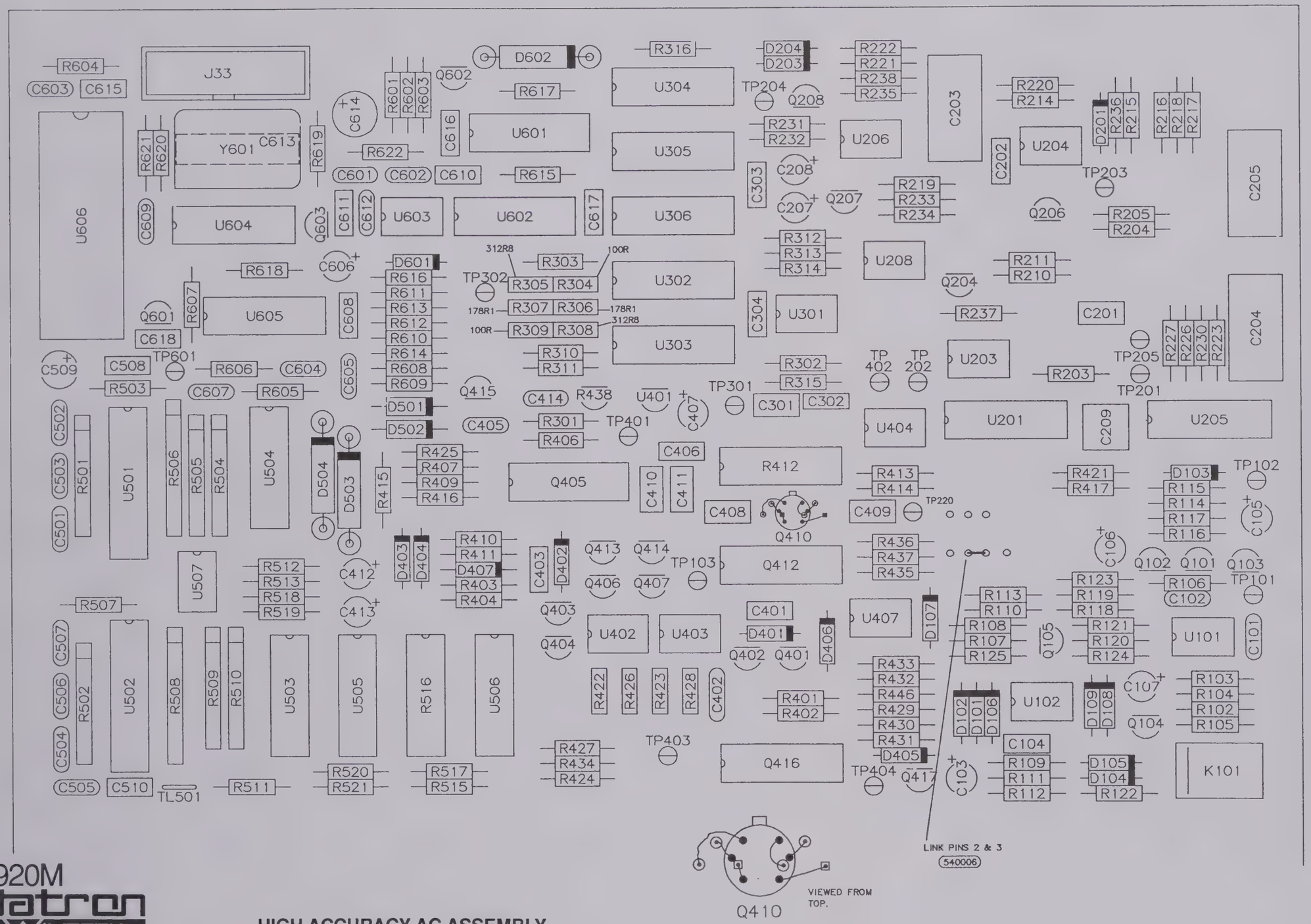
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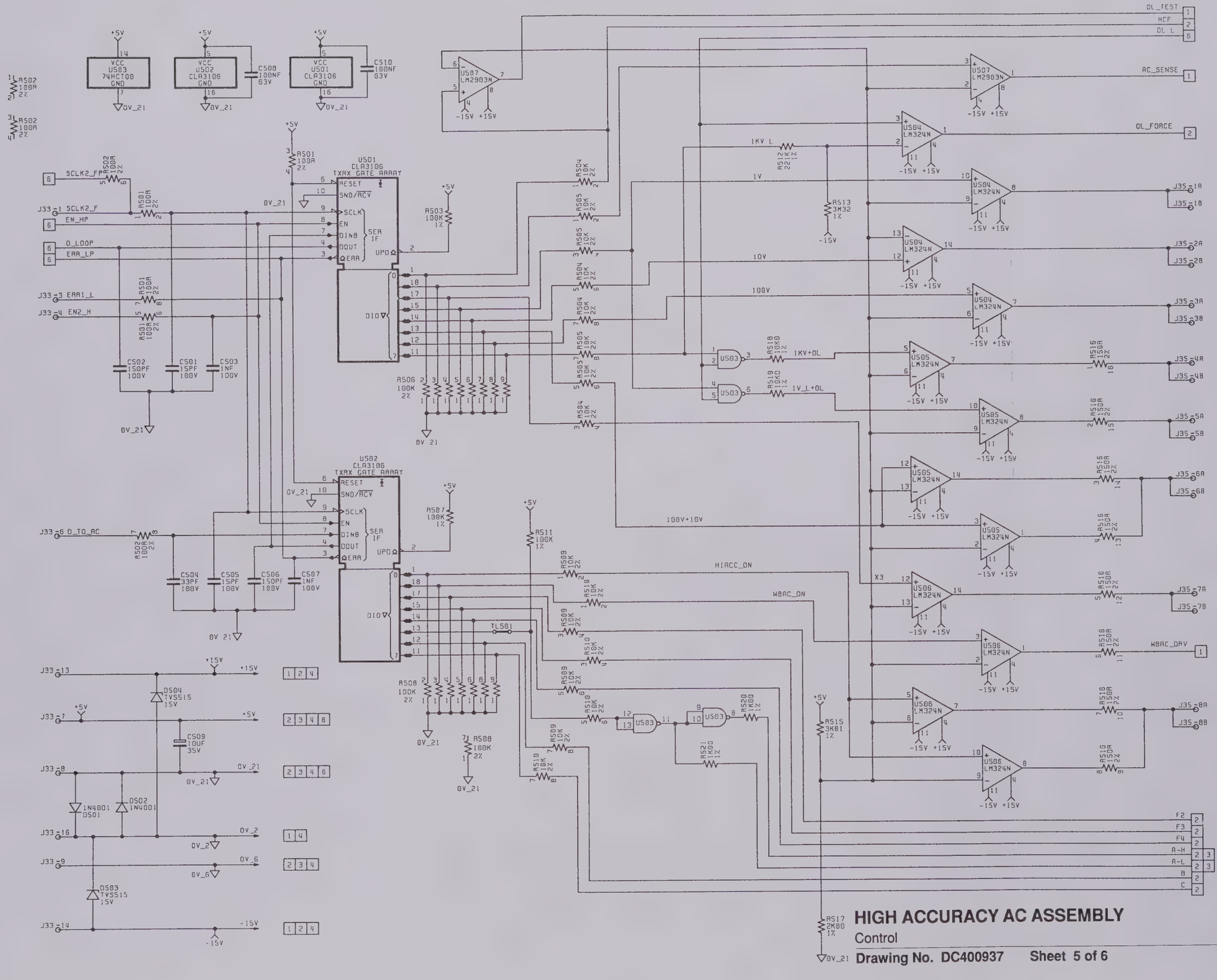
HIGH ACCURACY AC ASSEMBLY
Control
Drawing No. DC400937 Sheet 5 of 6
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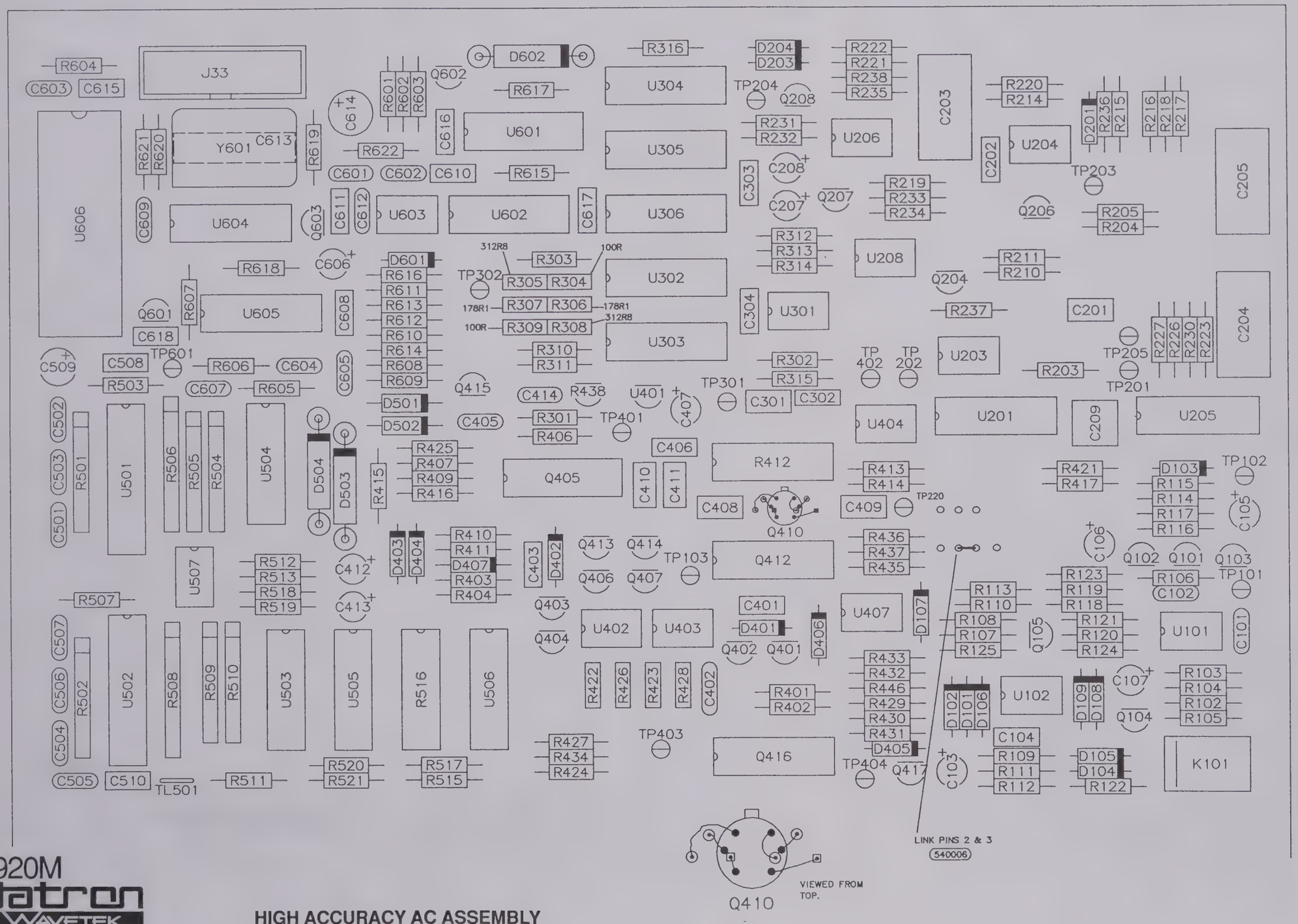

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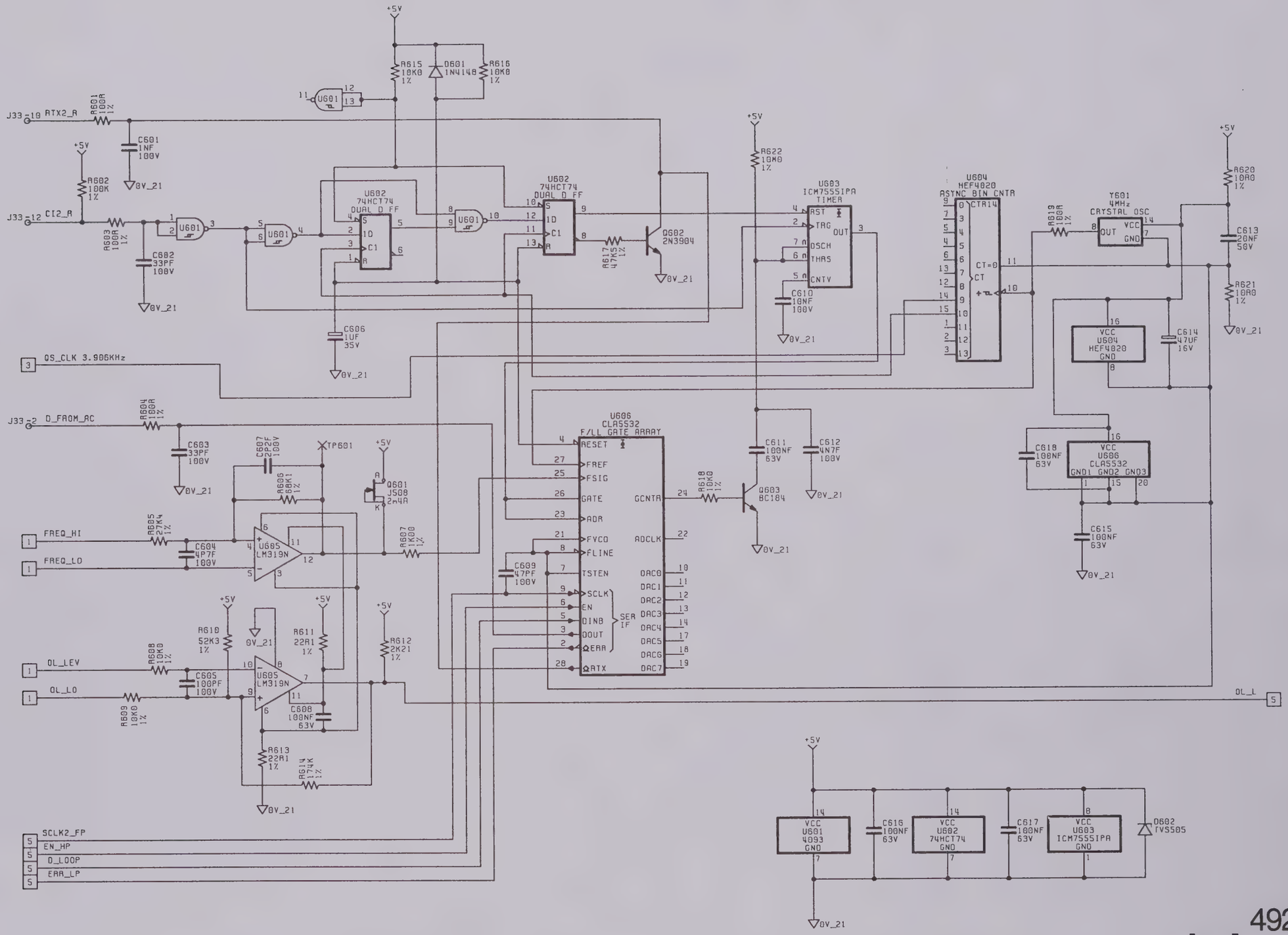
HIGH ACCURACY AC ASSEMBLY

Drawing No. DA400937 Sheet 2



HIGH ACCURACY AC ASSEMBLY

Counter

Drawing No. DC400937 **Sheet 6 of 6**

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R102	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	5	
R103	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R104	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R105	013011	RES MF 3K01 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R106	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R107	011871	RES MF 1K87 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4	
R108	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	9	
R109	046193	RES MF 619K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R110	011871	RES MF 1K87 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R111	014992	RES MF 49K9 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R112	017502	RES MF 75K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R113	011871	RES MF 1K87 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R114	013321	RES MF 3K32 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R115	013321	RES MF 3K32 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R116	013922	RES MF 39K2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	3	
R117	013922	RES MF 39K2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R118	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R119	013922	RES MF 39K2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R120	012218	RES MF 22R1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4	
R121	012218	RES MF 22R1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R122	012213	RES MF 221K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4	
R123	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R124	012002	RES MF 20K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R125	041004	RES MF 1M00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R201	00000N	NOT FITTED				EA	23	
R202	00000N	NOT FITTED				EA	-	
R203	017501	RES MF 7K50 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R204	012743	RES MF 274K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R205	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	13	
R210	012213	RES MF 221K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R211	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R212	00000N	NOT FITTED				EA	-	
R213	00000N	NOT FITTED				EA	-	
R214	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R215	013162	RES MF 31K6 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R216	015622	RES MF 56K2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R217	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	11	
R218	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	13	
R219	012213	RES MF 221K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R220	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R221	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R222	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R223	015621	RES MF 5K62 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R226	011653	RES MF 165K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R227	018252	RES MF 82K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R230	012741	RES MF 2K74 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R231	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	4	
R232	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	-	
R233	013012	RES MF 30K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R234	012002	RES MF 20K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R235	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R236	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	4	
R237	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R238	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R301	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R302	014991	RES MF 4K99 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R303	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R304	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	1	
R305	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R306	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R307	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R308	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6	-	
R309	090202-1	RES FL SET(100R/178R1/312R8)X2	VISHAY MANN	S102K TO DRG	A	S6		
R310	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R311	011181	RES MF 1K18 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R312	048253	RES MF 825K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R313	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R314	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA		
R315	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R316	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA		
R401	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R402	016811	RES MF 6K81 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R403	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R404	016811	RES MF 6K81 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R406	013328	RES MF 33R2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R407	050076	RES MF 10K00 .1% .12W 50PPM	HOLSWORTHY	H8		EA	2	
R409	050076	RES MF 10K00 .1% .12W 50PPM	HOLSWORTHY	H8		EA	-	
R410	014751	RES MF 4K75 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R411	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R412	090137	RES PACK 3K3 X 8 .5%	BECKMAN	698-3-R3K3D		EA	1	
R413	011781	RES MF 1K78 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R414	012000	RES MF 200R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R415	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	-	
R416	000478	RES CF 4R7 5% .25W	NEOHM	CFR25	A	EA	-	
R417	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R418	00000N	NOT FITTED				EA	-	
R419	00000N	NOT FITTED				EA	-	
R420	00000N	NOT FITTED				EA	-	
R421	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R422	080154	RES FL 1K5 0.02% 3PPM	ALPHA	MCY1K5000Q		EA	4	

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R423	080154	RES FL 1K5 0.02% 3PPM	ALPHA	MCY1K5000Q		EA	-	
R424	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R425	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R426	080154	RES FL 1K5 0.02% 3PPM	ALPHA	MCY1K5000Q		EA	-	
R427	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R428	080154	RES FL 1K5 0.02% 3PPM	ALPHA	MCY1K5000Q		EA	-	
R429	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R430	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R431	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R432	011371	RES MF 1K37 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R433	014752	RES MF 47K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R434	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R435	041004	RES MF 1M00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R436	044993	RES MF 499K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R437	011871	RES MF 1K87 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R438	090210	THERMISTOR PTC 200R 5% 6200PPM	ALPHA	NB200R0J		EA	1	
R446	011870	RES MF 187R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R501	090105	RES PACK 100R X 4 2%	BECKMAN	LO8-3-R100	A	EA	2	
R502	090105	RES PACK 100R X 4 2%	BECKMAN	LO8-3-R100	A	EA	-	
R503	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R504	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3-R10K	A	EA	4	
R505	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3-R10K	A	EA	-	
R506	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1-R100K	A	EA	2	
R507	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R508	090121	RES NTWK 100K X 8 2%	BECKMAN	LO9-1-R100K	A	EA	-	
R509	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3-R10K	A	EA	-	
R510	090131	RES PACK 10K X 4 2%	BECKMAN	LO8-3-R10K	A	EA	-	
R511	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R512	012213	RES MF 221K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R513	043324	RES MF 3M32 1% .12W 100PPM	HOLSWORTHY	H8C	A	EA	1	
R515	013011	RES MF 3K01 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R516	090153	RES PACK 150R X 8 2%	AB	761-3-150R	A	EA	1	
R517	012001	RES MF 2K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R518	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R519	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R520	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R521	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R601	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R602	011003	RES MF 100K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R603	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R604	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R605	012742	RES MF 27K4 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R606	016812	RES MF 68K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R607	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R608	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R609	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R610	015232	RES MF 52K3 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R611	012218	RES MF 22R1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R612	012211	RES MF 2K21 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R613	012218	RES MF 22R1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R614	011743	RES MF 174K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R615	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R616	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R617	014752	RES MF 47K5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R618	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R619	011000	RES MF 100R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R620	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R621	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R622	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2	A	EA	1	
C101	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	5	
C102	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-	
C103	150022	CAP DT 2U2F 20% 35V	AVX	TAP2R2M35F	A	EA	3	
C104	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	14	
C105	150006	CAP DT 4U7F 200% 16V	AVX	TAP4R7M16F	A	EA	2	
C106	150006	CAP DT 4U7F 200% 16V	AVX	TAP4R7M16F	A	EA	-	
C107	180060	CAP AE 10UF 50V	PHILIPS	035-90008		EA	1	
C201	110035	CAP PE 220NF 20% 63V	WIMA	MKS2		EA	2	
C202	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C203	140091	CAP PP 680NF 10% 160V	WIMA	MKP4		EA	1	
C204	120014	CAP PC 2U2F 10% 63V	ASHCROFT	M2B22201B		EA	2	
C205	120014	CAP PC 2U2F 10% 63V	ASHCROFT	M2B22201B		EA	-	
C207	150022	CAP DT 2U2F 20% 35V	AVX	TAP2R2M35F	A	EA	-	
C208	150022	CAP DT 2U2F 20% 35V	AVX	TAP2R2M35F	A	EA	-	
C209	110066	CAP PE 2U2F 20% 50V	WIMA	MKS2		EA	1	
C301	110035	CAP PE 220NF 20% 63V	WIMA	MKS2		EA	-	
C302	120015	CAP PC 470PF 20% 100V	WIMA	FKC2MIN		EA	1	
C303	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C304	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-	
C401	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	1	
C402	100221	CAP CP 220PF 2% 100V	PHILIPS	2222 683 58221		EA	-	
C403	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	1	
C405	100222	CAP CP 2N2F 10% 100V	PHILIPS	2222 630 19222		EA	2	
C406	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	4	
C407	150016	CAP DT 1UF 20% 35V	AVX	TAP1R0M35F	A	EA	4	
C408	120029	CAP PC 6N8F 20% 100V	WIMA	FKC2		EA	-	
C409	120029	CAP PC 6N8F 20% 100V	WIMA	FKC2		EA	-	
C410	120029	CAP PC 6N8F 20% 100V	WIMA	FKC2		EA	-	
C411	120029	CAP PC 6N8F 20% 100V	WIMA	FKC2		EA	-	
C412	150016	CAP DT 1UF 20% 35V	AVX	TAP1R0M35F	A	EA	-	
C413	150016	CAP DT 1UF 20% 35V	AVX	TAP1R0M35F	A	EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY CHANGES
C414	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	4
C501	100150	CAP CP 15PF 2% 100V	PHILIPS	2222 683 10159		EA	2
C502	100151	CAP CP 150PF 2% 100V	PHILIPS	2222 683 34151		EA	2
C503	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	
C504	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	
C505	100150	CAP CP 15PF 2% 100V	PHILIPS	2222 683 10159		EA	-
C506	100151	CAP CP 150PF 2% 100V	PHILIPS	2222 683 34151		EA	
C507	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	
C508	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	
C509	150015	CAP DT 10UF 20% 35V	AVX	TAP10M35F	A	EA	1
C510	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-
C601	100102	CAP CP 1NF 10% 100V	PHILIPS	2222 630 19102		EA	-
C602	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	
C603	100330	CAP CP 33PF 2% 100V	PHILIPS	2222 683 34339		EA	
C604	100478	CAP CP 4P7F 2% 100V	PHILIPS	2222 683 09478		EA	1
C605	100101	CAP CD 100PF 2% 100V	PHILIPS	2222 683 34101		EA	1
C606	150016	CAP DT 1UF 20% 35V	AVX	TAP1R0M35F	A	EA	
C607	100228	CAP CP 2P2F +/-0P25F 100V	PHILIPS	2222 683 09228		EA	1
C608	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-
C609	100470	CAP CP 47PF 2% 100V	PHILIPS	2222 683 34479		EA	1
C610	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	-
C611	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-
C612	100472	CAP CP 4N7F 10% 100V	PHILIPS	2222 630 19472		EA	1
C613	104056	CAP CER IC 20NF 50V	ROGERS CORP	Q-14.20		EA	1
C614	150024	CAP DT 47UF 20% 16V	AVX	TAP47M16F	A	EA	1
C615	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	
C616	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-
C617	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	
C618	110042	CAP PE 100NF 20% 63V	WIMA	MKS2		EA	-
D101	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	9
D102	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-
D103	213011	DIODE VR 1V4 250mW	PHILIPS	BZV86-1V4		EA	2
D104	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-
D105	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-
D106	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-
D107	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	
D108	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-
D109	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-
D201	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	5
D203	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	
D204	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-
D401	210120	DIODE ZN 12V 400mW	PHILIPS	BZX79C12	A	EA	2
D402	210120	DIODE ZN 12V 400mW	PHILIPS	BZX79C12	A	EA	-
D403	210056	DIODE ZN 5V6 400mW	PHILIPS	BZX79C5V6	A	EA	1
D404	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY CHANGES
D405	213011	DIODE VR 1V4 250mW	PHILIPS	BZV86-1V4		EA	-
D406	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-
D407	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	3
D501	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	
D502	200002	DIODE GP 1A 50V	FAIRCHILD	1N4001		EA	-
D503	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	2
D504	213009	DIODE TS 15V 5/500W	UNITRODE	TVS515	A	EA	
D601	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-
D602	213006	DIODE TS 5V 5/500W	UNITRODE	TVS505	A	EA	1
Q101	240013	TRAN NPN TO18	MOTOROLA	BC184C		EA	2
Q102	240013	TRAN NPN TO18	MOTOROLA	BC184C		EA	-
Q103	230058	TRAN JFET I LIM 750UA	SILICONIX	J504		EA	1
Q104	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	8
Q105	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	-
Q201	00000N	NOT FITTED				EA	-
Q204	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	-
Q205	00000N	NOT FITTED				EA	
Q206	240001	TRAN NPN	MOTOROLA	BC184		EA	3
Q207	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	
Q208	240001	TRAN NPN	MOTOROLA	BC184		EA	-
Q401	230035	TRAN JFET N-CHAN	TELEDYNE	U1897JF		EA	2
Q402	250004	TRAN PNP TO92	MOTOROLA	2N3906		EA	2
Q403	230035	TRAN JFET N-CHAN	TELEDYNE	U1897JF		EA	
Q404	250004	TRAN PNP TO92	MOTOROLA	2N3906		EA	-
Q405	240044	TRAN NPN QUAD	PMI	MAT04 EY		EA	2
Q406	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	-
Q407	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	-
Q410	240020	TRAN NPN DUAL	PMI	MAT01GH		EA	1
Q412	240044	TRAN NPN QUAD	PMI	MAT04 EY		EA	
Q413	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	-
Q414	230002	TRAN JFET N-CHAN	SILICONIX	J304		EA	-
Q415	230098	TRAN JFET I LIM 1.8mA	SILICONIX	J507		EA	1
Q416	290000	TRAN NPN ARRAY X 5	SILICON GENERAL	SG3083J	A	EA	1
Q417	240006	TRAN NPN TO92	MOTOROLA	2N3904		EA	2
Q601	230050	TRAN JFET I LIM 2m4A	SILICONIX	J508		EA	1
Q602	240006	TRAN NPN TO92	MOTOROLA	2N3904		EA	-
Q603	240001	TRAN NPN	MOTOROLA	BC184		EA	-
U101	260087	IC LIN OP AMP BIFET	MOTOROLA	MC34081P		EA	1
U102	260106	IC LIN OP AMP DUAL	MOTOROLA	MC34082P		EA	4
U201	280198	IC DIG SWITCH ANALOG 4NC	SILICONIX	DG442DJ		EA	3
U202	00000N	NOT FITTED				EA	-
U203	260130	IC LIN OP AMP DUAL LOFFST LP	PMI	OP200GP		EA	2
U204	260108	IC LIN OP AMP	LINEAR TECHNOLOGY	LT1012CN8	A	EA	2
U205	280196	IC DIG SWITCH ANALOG 4NC	SILICONIX	DG412DJ		EA	2
U206	260108	IC LIN OP AMP	LINEAR TECHNOLOGY	LT1012CN8	A	EA	-

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
U208	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N		EA	2	
U301	260106	IC LIN OP AMP DUAL	MOTOROLA	MC34082P		EA	-	
U302	280198	IC DIG SWITCH ANALOG 4NC	SILICONIX	DG442DJ		EA	-	
U303	280198	IC DIG SWITCH ANALOG 4NC	SILICONIX	DG442DJ		EA	-	
U304	280032	IC DIG COUNT DIV10	MOTOROLA	MC14017BCP		EA	1	
U305	280079	IC DIG OR2 X4	MOTOROLA	MC14071BCP		EA	1	
U306	280124	IC DIG FLIP FLOP6 D MR	PHILIPS	HEF40174BP		EA	1	
U401	260079	IC LIN REG 12V	NATIONAL	LM78L12ACZ		EA	1	
U402	260106	IC LIN OP AMP DUAL	MOTOROLA	MC34082P		EA	-	
U403	260106	IC LIN OP AMP DUAL	MOTOROLA	MC34082P		EA	-	
U404	260119	IC LIN OP AMP DUAL	PMI	OP270GP		EA	1	
U406	280196	IC DIG SWITCH ANALOG 4NC	SILICONIX	DG412DJ		EA	-	
U406	00000N	NOT FITTED				EA	-	
U407	260130	IC LIN OP AMP DUAL LOFFST LP	PMI	OP200GP		EA	-	
U501	280132	IC DIG GATE ARRAY TX/RX	PLESSEY	CLA3106		EA	2	
U502	280132	IC DIG GATE ARRAY TX/RX	PLESSEY	CLA3106		EA	-	
U503	280166	IC DIG NAND2 X4	TEXAS	SN74HCT00N	A	EA	1	
U504	260039	IC LIN OP AMP QUAD	NATIONAL	LM324N		EA	3	
U505	260039	IC LIN OP AMP QUAD	NATIONAL	LM324N		EA	-	
U506	260039	IC LIN OP AMP QUAD	NATIONAL	LM324N		EA	-	
U507	260075	IC LIN V COMP DUAL	NATIONAL	LM2903N		EA	-	
U601	280152	IC DIG NAND2 SCHMITT X4	MOTOROLA	MC14093BCP		EA	1	
U602	280160	IC DIG FLIP FLOP D X2	TEXAS	SN74HCT74N		EA	1	
U603	290149	IC DIG CMOS TIMER	INTERSIL	ICM7555 1PA		EA	1	
U604	280102	IC DIG COUNT14 ASYNC BIN	PHILIPS	HEF4020BP		EA	1	
U605	260049	IC LIN V COMP DUAL	NATIONAL	LM319N		EA	1	
U606	280131	IC DIG GATE ARRAY FLL	PLESSEY	CLA5532		EA	1	
K101	330048	RELAY 2PCO LATCH 12V	SDS	TQ2-L-12V	A	EA	1	
J30	604075	PLUG PCB 6-WAY .1"	MOLEX	22-29-2061		EA	1	
J31	604074	PLUG PCB 3-WAY .1"	MOLEX	22-29-2031		EA	1	
J32	604033	PLUG PCB 4-WAY .1"	MOLEX	22-29-2041		EA	1	
J33	604076	PLUG PCB 16-WAY .1"X.1" GRID	3M	3599-6002UN		EA	1	
J34	604112	PLUG PCB 16-WAY .1" 8+8 GD PL	HARWIN	M20-9980805		EA	3	
J35	604112	PLUG PCB 16-WAY .1" 8+8 GD PL	HARWIN	M20-9980805		EA	-	
J36	604112	PLUG PCB 16-WAY .1" 8+8 GD PL	HARWIN	M20-9980805		EA	-	
TL501	620013-1	TEST LOOP	DATRON	SEE DRG		EA	1	
TP101	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	15	
TP102	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP103	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP201	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP202	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP203	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP204	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP205	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP209	00000N	NOT FITTED				EA	-	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
TP210	00000N	NOT FITTED				EA	-	
TP211	00000N	NOT FITTED				EA	-	
TP212	00000N	NOT FITTED				EA	-	
TP213	00000N	NOT FITTED				EA	-	
TP214	00000N	NOT FITTED				EA	-	
TP215	00000N	NOT FITTED				EA	-	
TP216	00000N	NOT FITTED				EA	-	
TP217	00000N	NOT FITTED				EA	-	
TP218	00000N	NOT FITTED				EA	-	
TP219	00000N	NOT FITTED				EA	-	
TP220	00000N	NOT FITTED				EA	-	
TP301	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP302	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP401	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP402	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP403	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP404	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP601	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
Y601	800036	CRYSTAL OSC 4.000MHz	EUROQUARTZ	EQXO-1100HC		EA	1	
	400753-1	ASSY CABLE SIG IP 1281	DATRON	SEE DRG		EA	1	
	400757-1	ASSY CABLE RIBBON 16W	DATRON	SEE DRG		EA	1	
	400938-1	ASSY PCB AC PRE AMP 4920M	DATRON	SEE DRG		EA	1	
	410446-1	PCB AC (HIGH ACC) 4920M		SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No.	RS COMPONENTS	554-793		EA	1	
	420112 1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A	EA	1	
	540006	WIRE 1/.4 PTFE 250V BLK	BSG210	TYPE A		AR	1	
	605059	SOCKET PCB 8-WAY DIL	JERMYN	J23-18008	A	EA	13	
	605060	SOCKET PCB 14-WAY DIL	JERMYN	J23-18014	A	EA	8	
	605061	SOCKET PCB 16-WAY DIL	JERMYN	J23-18016	A	EA	8	
	605062	SOCKET PCB 18-WAY DIL	JERMYN	J23-18018	A	EA	2	
	605065	SOCKET PCB 28-WAY DIL	JERMYN	J23-18028	A	EA	1	
	611016	SCREW M3 X 8 POZIPAN SZP				EA	5	
	612029-1	STANDOFF M3 X 12	DATRON	SEE DRG		EA	5	
	613029	WASHER M3 WAVY SS				EA	5	
	630024	BEAD CERAMIC 16 SWG	PARK ROYAL PORCELAIN	No2		EA	6	
	630274	TAPE PTFE 0.5mm THK x 30mm	DALAU			AR	1	

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	512999	WIRE 7/.2 PTFE 1KV WHT	BSG210	TYPE C		AR	1	
	605051	HOUSING 4-WAY	MOLEX	6471 SERIES 22-01-20		EA	2	
	605057	CRIMP TERMINAL GD PL	MOLEX	08-56-0120 TO DRG		EA	18	
	605162	SOCKET PCB 3-WAY .1" PITCH	MOLEX	22-01-2035		EA	2	
	605163	SOCKET HOUSING 6-WAY .1" PITCH	MOLEX	22-01-2065		EA	2	
	630272	STRIP FANNING	PANDUIT	FS156-C		AR	1	

End

DATRON INSTRUMENTS LTD PARTS LIST 11-Jun-90 DESC: ASSY CABLE RIBBON 16W DRG NO: LP400757-1 REV: 1 PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	570001	CABLE RIBBON 16 WAY	3M	3365/16		AR	1	
	605148	SOCKET CAB 16-WAY IDC .1"	3M	3452-6616EY		EA	2	

End

11-6-10

SOLDER S/R COAX TO PCB AS SHOWN BELOW, AFTER UNIT HAS BEEN ASSEMBLED BUT BEFORE LID HAS BEEN SCREWED ON

SOLDER

S/R COAX.

615002 3

3 613005

† †

2 611008

450813 4

450817 2

450812

630362

450811

TIGHTEN NUT BEFORE ASSEMBLING UNIT

602022

COVER HOLE
420112

450814

DISCARD WASHERS BEFORE ASSY

606040 2

900009

HEXAGON FACE OF INSERT THIS SIDE.

CENTRE CORE

SCREEN

SEE SHT. 1

590001 2x½

630367

611004 5

613029 5

613017 5

FIT NYLON WASHERS BETWEEN PCB & WAVY WASHERS.

* 611007 5

613021 11

611028 11

16

11

3

605162

2 590074

560002

605057 2

150

512999 2x45mm

AC WIDEBAND ASSEMBLY

Mechanical Breakdown

Drawing No. DA400939 **Sheet 2 of 2**

4920M

datron WAVETEK

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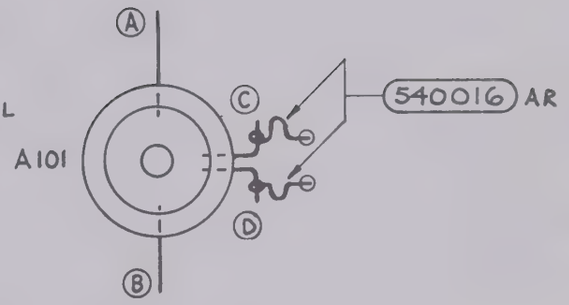
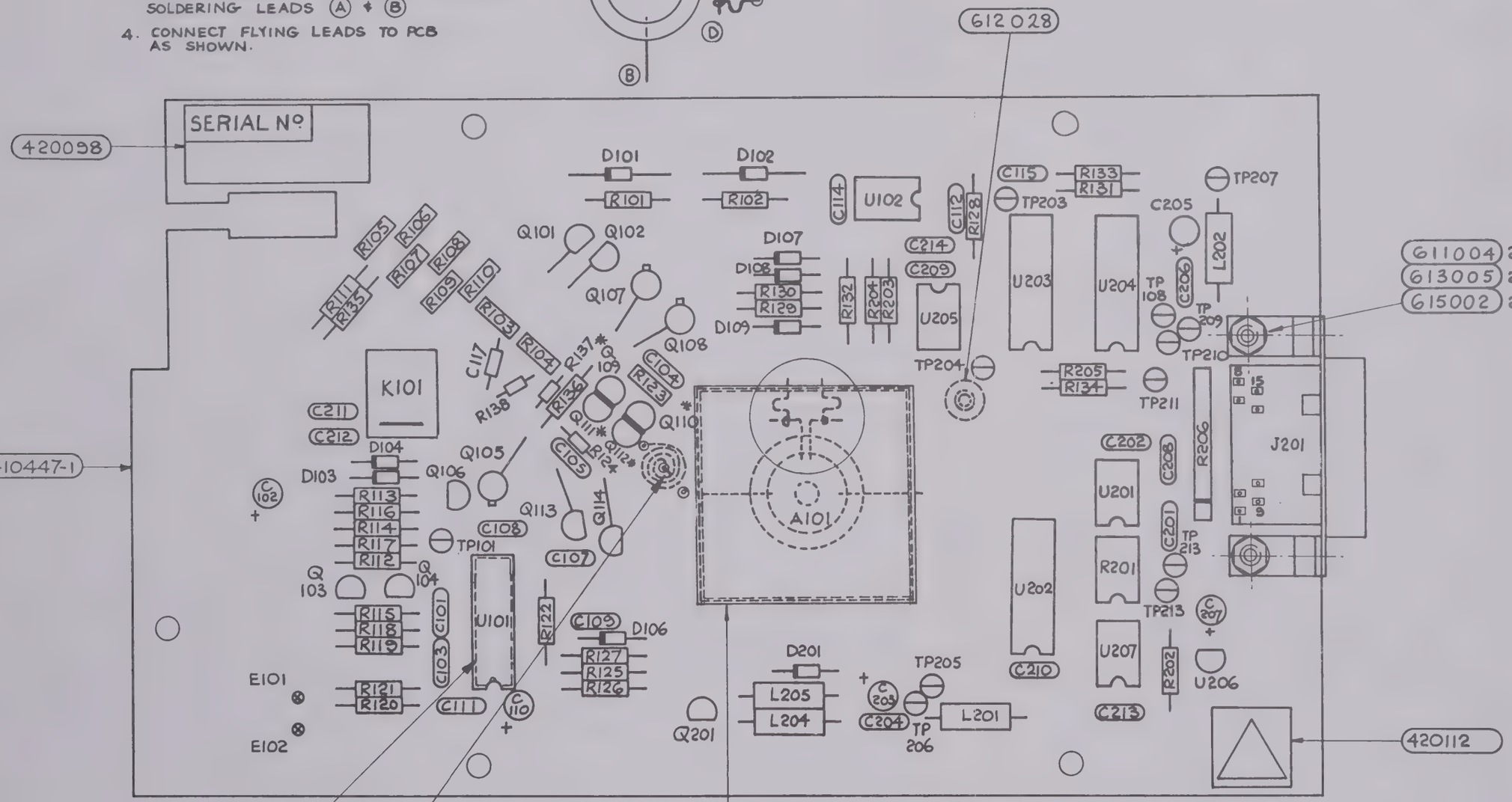
1. BEND THERMAL TRANSFER LEADS (C) + (D) AS SHOWN; MAKE SURE LEADS ARE HELD BY PLIERS CLOSE TO GLASS BODY.
2. ATTACH THE TWO FLYING LEADS TO THERMAL TRANSFER LEADS (C) + (D)
3. ATTACH THERMAL TRANSFER TO PCB BY SOLDERING LEADS (A) + (B)
4. CONNECT FLYING LEADS TO PCB AS SHOWN.



NOTES : * Q109/Q111 AND Q110/Q112 - FLAT SURFACES GLUED TOGETHER WITH CYANOCRYLATE 900013

REMOVE ANTISTATIC WIRES FROM Q105, Q107 AND Q108 ONCE FITTED TO BOARD.



FIT C116 UNDER U101. NOTE 'NOTCH' TO ORIENTATE CAP SAME AS FOR U101

SOLDER LINK SHOWN USING INNER WIRE (STRIP OFF INSULATION) N.B. FIT ON SOLDER SIDE OF PCB

SOLDER TO PCB AROUND ENTIRE EDGE OF SHIELD.

DO NOT SOLDER AT ASSEMBLY STAGE. i.e. NOW !

COMPONENT SIDE

PCB

SOLDER TOGETHER OPEN EDGES.

4920M

datron WAVETEK

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AC WIDEBAND ASSEMBLY

Drawing No. DA400939 Sheet 1

* MATCHED SET OF TWO

** MATCHED SET OF TWO

AC WIDEBAND ASSEMBLY

Input and Thermal Voltage Converter

Drawing No. DC400939 **Sheet 1 of 2**

4920M

datron WAVETEK

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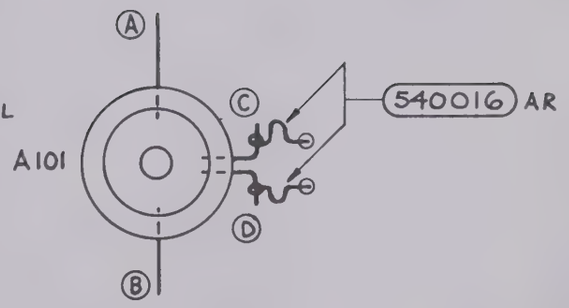
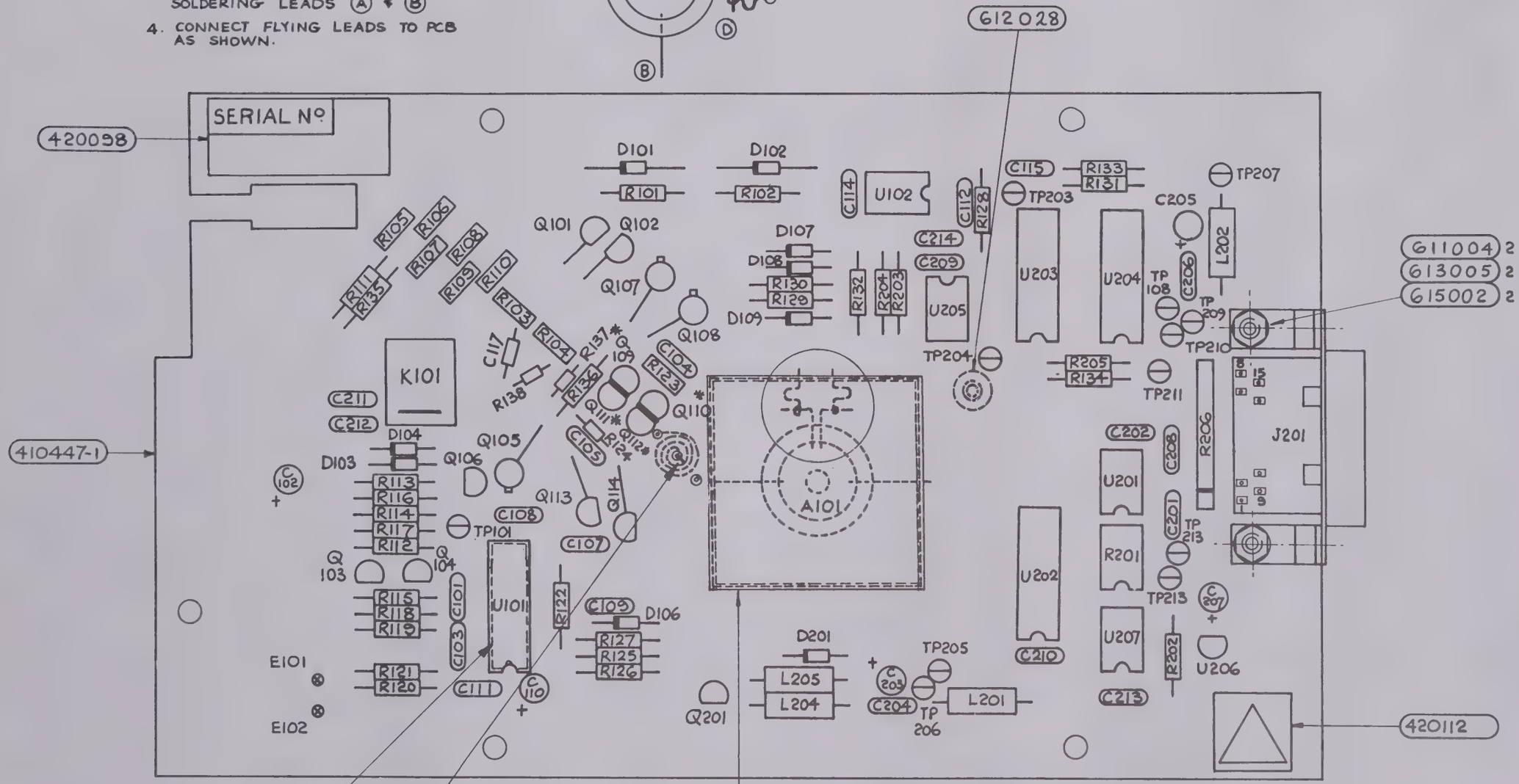
1. BEND THERMAL TRANSFER LEADS Ⓒ + Ⓓ AS SHOWN; MAKE SURE LEADS ARE HELD BY PLIERS CLOSE TO GLASS BODY.
2. ATTACH THE TWO FLYING LEADS TO THERMAL TRANSFER LEADS Ⓒ + Ⓓ
3. ATTACH THERMAL TRANSFER TO PCB BY SOLDERING LEADS Ⓐ + Ⓑ
4. CONNECT FLYING LEADS TO PCB AS SHOWN.



NOTES : * Q109/Q111 AND Q110/Q112 - FLAT SURFACES GLUED TOGETHER WITH CYANOCRYLATE 900013

REMOVE ANTISTATIC WIRES FROM Q105, Q107 AND Q108 ONCE FITTED TO BOARD.

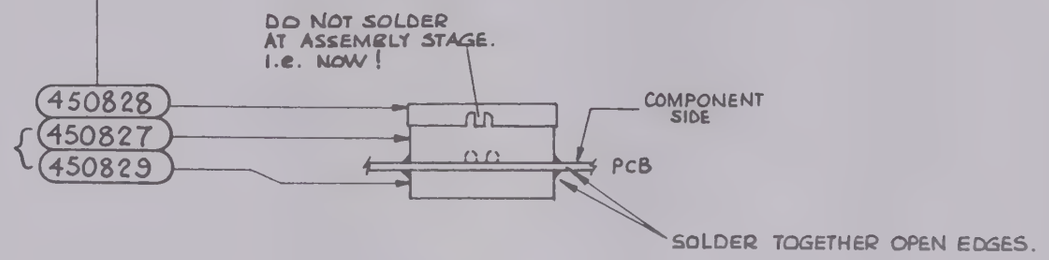


FIT C116 UNDER U101. NOTE 'NOTCH' TO ORIENTATE CAP SAME AS FOR U101

540016

SOLDER LINK SHOWN USING INNER WIRE (STRIP OFF INSULATION) N.B. FIT ON SOLDER SIDE OF PCB

SOLDER TO PCB AROUND ENTIRE EDGE OF SHIELD.



4920M

datron WAVETEK

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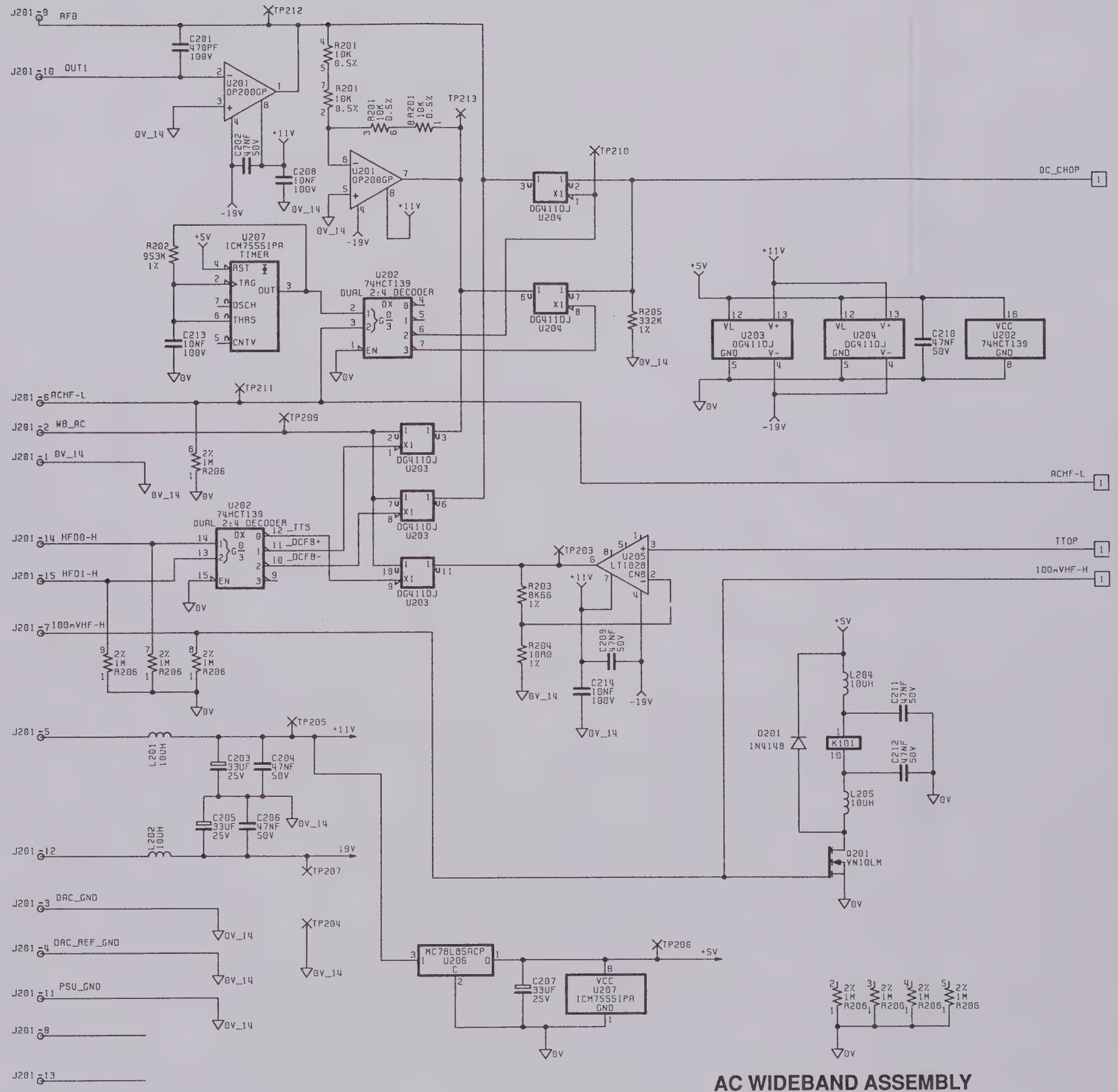
AC WIDEBAND ASSEMBLY

Drawing No. DA400939 Sheet 1



AC WIDEBAND ASSEMBLY

Feedback and Chopper

Drawing No. DC400939 **Sheet 2 of 2**

4920M

datron WAVETEK

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DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
R101	011151	RES MF 1K15 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R102	012741	RES MF 2K74 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R103	080155	RES FL 302R75 0.1% 3PPM	VISHAY MANN	S102J 302R75 0.1%		EA	2	
R104	080155	RES FL 302R75 0.1% 3PPM	VISHAY MANN	S102J 302R75 0.1%		EA	-	
R105	080156	RES FL 320R 0.1% 3PPM	VISHAY MANN	S102J 320R00 0.1%		EA	6	
R106	080156	RES FL 320R 0.1% 3PPM	VISHAY MANN	S102J 320R00 0.1%		EA	-	
R107	080156	RES FL 320R 0.1% 3PPM	VISHAY MANN	S102J 320R00 0.1%		EA	-	
R108	080156	RES FL 320R 0.1% 3PPM	VISHAY MANN	S102J 320R00 0.1%		EA	-	
R109	080156	RES FL 320R 0.1% 3PPM	VISHAY MANN	S102J 320R00 0.1%		EA	-	
R110	080156	RES FL 320R 0.1% 3PPM	VISHAY MANN	S102J 320R00 0.1%		EA	-	
R111	012748	RES MF 27R4 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R112	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R113	013320	RES MF 332R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R114	019090	RES MF 909R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R115	013651	RES MF 3K65 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R116	019091	RES MF 9K09 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R117	011002	RES MF 10K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R118	014758	RES MF 47R5 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R119	019092	RES MF 90K9 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R120	012001	RES MF 2K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R121	012000	RES MF 200R 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R122	013323	RES MF 332K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	2	
R123	080157	RES FL 605R5 0.1% 3PPM	VISHAY MANN	S102J 605R50 0.1%		EA	1	
R124	050124	RES MF 10K 1% .4W 100PPM	NEOHM	LR0204	A	EA	1	
R125	011822	RES MF 18K2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R126	011001	RES MF 1K00 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R127	011102	RES MF 11K0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R128	041005	RES MF 10M0 1% .12W 100PPM	STEATITE	MK2	A	EA	1	
R129	012742	RES MF 27K4 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R130	016191	RES MF 6K19 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R131	018251	RES MF 8K25 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R132	013012	RES MF 30K1 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R133	019091	RES MF 9K09 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R134	013922	RES MF 39K2 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R135	00000F	RES FSV				EA	2	
R136	00000F	RES FSV				EA	-	
R137	050100	RES MF 100R 1% .4W 100PPM	NEOHM	LR0204	A	EA	1	
R138	050134	RES MF 68K 1% .4W 100PPM	NEOHM	LR0204	A	EA	1	
R201	090142	RES PACK 10K X 4 .5%	BECKMAN	694-3-R10KD		EA	1	
R202	049533	RES MF 953K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R203	018661	RES MF 8K66 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R204	011008	RES MF 10R0 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	1	
R205	013323	RES MF 332K 1% .12W 50PPM	HOLSWORTHY	H8C	A	EA	-	
R206	090096	RES NTWK 1M X 8 2%	BECKMAN	LO9-1-R1M	A	EA	1	
C101	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	12	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
C102	150002	CAP DT 10UF 20% 16V	AVX	TAP10M16F	A	EA	1	
C103	100182	CAP CP 1N8F 10% 100V	PHILIPS	2222 630 19182		EA	1	
C104	100271	CAP CP 270PF 2% 100V	PHILIPS	2222 683 58271		EA	1	
C105	110041	CAP PE 10NF 20% 100V	WIMA	FKS2		EA	1	
C106	10000N	CAP - NOT FITTED				EA	2	
C107	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C108	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C109	110030	CAP PE 1NF 20% 100V	WIMA	FKS2		EA	1	
C110	150023	CAP DT 33UF 20% 25V	AVX	TAP33M25F	A	EA	4	
C111	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C112	100101	CAP CD 100PF 2% 100V	PHILIPS	2222 683 34101		EA	1	
C113	10000N	CAP - NOT FITTED				EA	-	
C114	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C115	120027	CAP PC 1NF 20% 100V	WIMA	FKC2		EA	1	
C116	104070	CAP CER IC 30NF 50V	ROGERS CORP	Q16.30		EA	1	
C117	104081	CAP CA 0P47F 10% 500V	QUALITY COMPS	MC 0.47PF 10%		EA	1	
C201	100471	CAP CP 470PF 10% 100V	PHILIPS	2222 630 19471		EA	1	
C202	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C203	150023	CAP DT 33UF 20% 25V	AVX	TAP33M25F	A	EA	-	
C204	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C205	150023	CAP DT 33UF 20% 25V	AVX	TAP33M25F	A	EA	-	
C206	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C207	150023	CAP DT 33UF 20% 25V	AVX	TAP33M25F	A	EA	-	
C208	104024	CAP CD 10NF +80%-20% 100V	ITT	WPH5K210N02S		EA	2	
C209	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C210	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C211	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C212	104026	CAP CM 47NF +80%-20% 50V	AVX	SR175E473ZA	A	EA	-	
C213	120017	CAP PC 10NF 20% 100V	WIMA	FKC2		EA	1	
C214	104024	CAP CD 10NF +80%-20% 100V	ITT	WPH5K210N02S		EA	-	
D101	213035	DIODE ZN 4V7 2% 400mW	PHILIPS	BZX79B4V7		EA	2	
D102	213035	DIODE ZN 4V7 2% 400mW	PHILIPS	BZX79B4V7		EA	-	
D103	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	3	
D104	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
D106	210082	DIODE ZN 8V2 400mW	PHILIPS	BZX79C8V2	A	EA	1	
D107	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	2	
D108	210039	DIODE ZN 3V9 400mW	PHILIPS	BZX79C3V9	A	EA	1	
D109	200008	DIODE GP 200mA 125V	FAIRCHILD	1N458A	A	EA	-	
D201	200001	DIODE GP 75mA 75V	FAIRCHILD	1N4148		EA	-	
Q101	240041	TRAN NPN	MOTOROLA	BF374	A	EA	6	
Q102	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q103	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q104	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q105	230105	TRAN MOSFET N-CHAN	SILICONIX	SD215DE		EA	3	
Q106	230086	TRAN MOSFET P-CHAN 60V	FERRANTI	ZVP2106A	A	EA	1	

11-7-4

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
Q107	230105	TRAN MOSFET N-CHAN	SILICONIX	SD215DE		EA	-	
Q108	230105	TRAN MOSFET N-CHAN	SILICONIX	SD215DE		EA	-	
Q109	239106-1	TRAN JFET SET J105 X 2	DATRON	SEE DRG		S2	2	
Q110	239106-1	TRAN JFET SET J105 X 2	DATRON	SEE DRG		S2	-	
Q111	239106-1	TRAN JFET SET J105 X 2	DATRON	SEE DRG		S2	-	
Q112	239106-1	TRAN JFET SET J105 X 2	DATRON	SEE DRG		S2	-	
Q113	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q114	240041	TRAN NPN	MOTOROLA	BF374	A	EA	-	
Q201	230082	TRAN MOSFET N-CHAN 60V	SILICONIX	VN10LM		EA	1	
U101	280195	IC DIG COUNT14 OSC ASYNC BIN	PHILIPS	PC74HCT4060P	A	EA	1	
U102	260065	IC LIN OP AMP	PMI	OP27FZ	A	EA	1	
U201	260130	IC LIN OP AMP DUAL LOFFST LP	PMI	OP200GP		EA	1	
U202	280192	IC DIG DECODER 2TO4 X2	PHILIPS	PC74HCT139P	A	EA	1	
U203	280187	IC DIG SWITCH ANALOG 4NO	SILICONIX	DG411DJ		EA	2	
U204	280187	IC DIG SWITCH ANALOG 4NO	SILICONIX	DG411DJ		EA	-	
U205	260135	IC LIN OP AMP LN HS	LINEAR TECHNOLOGY	LT1028CN8		EA	1	
U206	260033	IC LIN REG 5V .1A	MOTOROLA	MC78L05ACP		EA	1	
U207	290149	IC DIG CMOS TIMER	INTERSIL	ICM7555 1PA		EA	1	
K101	330051	RELAY 2PCO LATCH 5V	SDS	TQ2-5V		EA	1	
L201	370001	CHOKE RF 10UH	SIGMA	SC10/25	A	EA	4	
L202	370001	CHOKE RF 10UH	SIGMA	SC10/25	A	EA	-	
L204	370001	CHOKE RF 10UH	SIGMA	SC10/25	A	EA	-	
L205	370001	CHOKE RF 10UH	SIGMA	SC10/25	A	EA	-	
A101	920227	THERMAL CONVERTER UHF 5mA	BEST TECHNOLOGY	U1-INSULATED		EA	1	
J201	604111	PLUG 15-WAY PCB 10.3 D TYPE	AMP	343647-2		EA	1	
E101	620003	PIN SOLDER	HARWIN	H2105A01		EA	2	
E102	620003	PIN SOLDER	HARWIN	H2105A01		EA	-	
TP101	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	12	
TP102	00000N	NOT FITTED				EA	1	
TP108	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP203	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP204	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP205	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP206	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP207	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP209	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP210	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP211	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP212	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
TP213	620007	TEST POINT TERMINAL	MICROVAR	TYPE C30		EA	-	
	410447-1	PCB AC (WIDE BAND) 4920M		SEE DRG		EA	1	
	420098	LABEL SERIAL/ASSY No.	RS COMPONENTS	554-793		EA	1	
	420112-1	LABEL SSD WARNING 12 X 12mm	TEKNIS	LN1212	A	EA	2	
	450811-2	BRACKET CONNECTOR 4920M		SEE DRG		EA	1	
	450812-2	PLATE END FRONT AC MOD 4920M		SEE DRG		EA	1	

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	450813-2	BRACKET AC MODULE 4920M		SEE DRG		EA	4	
	450814-2	PLATE END REAR AC MODULE 4920M		SEE DRG		EA	1	
	450817-1	EXTRUSION FINISHD AC MOD 4920M		SEE DRG		EA	2	
	450827-1	SHIELD THERMAL 4920M		SEE DRG		EA	1	
	450828-1	SHIELD THERMAL COVER 4920M		SEE DRG		EA	1	
	450829-1	SHIELD THERMAL BASE 4920M		SEE DRG		EA	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BSG210	TYPE C		AR	1	
	540016	WIRE 1/.25 SILVER PL. COPPER				AR	1	
	560002	CABLE CO-AX 7/34AWG 2.54 DIA	RAYFAST	5026A1311-0		MM	150	
	590001	SLEEVE NP 1.5 X 20MM BLK	HELLERMANN	H15 X 20MM BLK		EA	1	
	590074	SLEEVE SOLDER DIAM.3.0	RAYFAST	CWT-3		EA	2	
	602022-2	SOCKET PANEL MNT TYPE 'N'	DB MICROWAVE	SEE DRG		EA	1	
	605057	CRIMP TERMINAL GD PL	MOLEX	08-56-0120 TO DRG		EA	2	
	605162	SOCKET PCB 3-WAY .1" PITCH	MOLEX	22-01-2035		EA	1	
	606040	SCREWLOCK D TYPE (M3)	SOURIAU	8630-01		EA	2	
	611004	SCREW M3 X 6 POZIPAN SZP				EA	7	
	611007	SCREW M3 X 6 POZICSK SZP				EA	5	
	611008	SCREW M3 X 10 POZICSK SZP				EA	2	
	611028	SCREW M4 X 8 POZIPAN SZP				EA	11	
	612028-1	STANDOFF M3 X 10	DATRON	SEE DRG		EA	1	
	613005	WASHER M3 INT SHAKEPROOF				EA	5	
	613017	WASHER M3 NYL.				EA	5	
	613021	WASHER M4 INT. SHAKP.				EA	11	
	613029	WASHER M3 WAVY SS				EA	5	
	615002	NUT FULL M3 SZP				EA	5	
	630362	GROMMET 3.2 DIA	MOSS PLASTIC PARTS	11026		EA	1	
	630367	BUSH STRAIN RELIEF	HEYCO LTD	1060 SR-2M-4		EA	1	
	900009	LOCKING COMPOUND	LOCTITE	222		AR	1	
	900013	ADHESIVE CYANOCRYLATE	LOCTITE	496		AR	1	

End

DATRON INSTRUMENTS LTD | PARTS LIST 11-Jun-90 | DESC: ASSY CABLE 'D' TYPE 4920M | DRG NO: LP400957-1 | REV: 0 | PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	570001	CABLE RIBBON 16 WAY	3M	3365/16		AR	1	
	605096	SOCKET 15-WAY D	T&B ANSLEY	609-15S	A	EA	1	
	605148	SOCKET CAB 16-WAY IDC .1"	3M	3452-6616EY		EA	1	

End

DATRON INSTRUMENTS LTD | PARTS LIST 11-Jun-90 | DESC: ASSY CABLE 'N' TYPE 4920M | DRG NO: LP400958-1 | REV: 0 | PAGE NO: 1

DESIG	PART NO	DESCRIPTION	PRINC MANUF	MANUF PART NUMBER	CLASS	UM	QUANTITY	CHANGES
	512000	WIRE 7/.2 PTFE 1KV BLK	BSG210	TYPE C		AR	1	
	512999	WIRE 7/.2 PTFE 1KV WHT	BSG210	TYPE C		AR	1	
	590006	SLEEVE HS 2.4mm YLW.	RS COMPONENTS	399-495		AR	1	
	590032	SLEEVE HS 4.8mm YLW	RS COMPONENTS	399-518		AR	1	
	602024-1	SOCKET PANEL MNT TYPE 'N'		SEE DRG		EA	1	
	605051	HOUSING 4-WAY	MOLEX	6471 SERIES 22-01-20		EA	1	
	605057	CRIMP TERMINAL GD PL	MOLEX	08-56-0120 TO DRG		EA	2	

End

11.7.5

MP MASTER
MA21648